



ROHS TEST REPORT

For

GUANGZHOU SUNNYSKY SOLAR EQUIPMENT CO., LTD

Product Name: MPPT solar charge controller

Model No.: TYC-60IR, TYC-05IR, TYC-10IR, TYC-20IR, TYC-30IR,
TYC-40IR, TYC-50IR, TYC-60IR, TYC-50A96, TYC-60A96,
TYC-50A220, TYC-100A220, TYC-150A220, TYC-50A380V,
TYC-100A380V, TYC-150A380V, TYC-50A400V, TYC-100A400V,
TYC-150A400V, TYC-40A96

Prepared for : GUANGZHOU SUNNYSKY SOLAR EQUIPMENT CO., LTD
Address : No.6 Building 6, Yiheng Road, Xipengling, Hebian Wushe
Industry Area, Baiyun District, Guangzhou, China

Prepared by : SHENZHEN POCE TECHNOLOGY CO., LTD.
Address : H Building, Hongfa Science And Technology Park, Tangtou,
Shiyan, Bao' an District, Shenzhen, China

Date of receipt of test sample : Aug. 10, 2018
Number of tested samples : 1
Serial number : Prototype
Date of Test : Aug. 10, 2018 – Aug. 15, 2018
Date of Report : Aug. 15, 2018

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen POCE Technology Co., Ltd.

ROHS TEST REPORT

Report Reference No. : POCE18081425WRR
 Date of Issue : Aug. 15, 2018
 Testing Laboratory Name : SHENZHEN POCE TECHNOLOGY CO., LTD.
 Address : H Building, Hongfa Science And Technology Park, Tangtou, Shiyuan, Bao' an District, Shenzhen, China
 Testing Location/ Procedure : Full application of Harmonised standards
 Partial application of Harmonised standards
 Other standard testing method

Applicant's Name : GUANGZHOU SUNNYSKY SOLAR EQUIPMENT CO., LTD
 Address : No.6 Building 6, Yiheng Road, Xipengling, Hebian Wushe Industry Area, Baiyun District, Guangzhou, China

Test Specification

Standard : EN 62321-1:2013
 Test Report Form No. : POCEEMC-1.0
 TRF Originator : SHENZHEN POCE TECHNOLOGY CO., LTD.

SHENZHEN POCE TECHNOLOGY CO., LTD.
 This publication may be reproduced in whole or in part for non-commercial purposes as long as the SHENZHEN POCE TECHNOLOGY CO., LTD. is acknowledged as copyright owner and source of the material. SHENZHEN POCE TECHNOLOGY CO., LTD. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

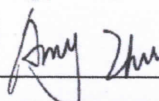
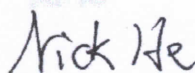
Test Item

Description : MPPT solar charge controller
 Trade Mark : N/A
 Model/ Type Reference : TYC-60IR, TYC-05IR, TYC-10IR, TYC-20IR, TYC-30IR, TYC-40IR, TYC-50IR, TYC-60IR, TYC-50A96, TYC-60A96, TYC-50A220, TYC-100A220, TYC-150A220, TYC-50A380V, TYC-100A380V, TYC-150A380V, TYC-50A400V, TYC-100A400V, TYC-150A400V, TYC-40A96
 Result : Pass

Compiled by:

Supervised by:

Approved by:


Amy Zhu / File administrators

Nick He/ Technique principal

Jade Wang/ Manager

Traceability of Device

EUT..... : MPPT solar charge controller

Type / Model..... : TYC-60IR, TYC-05IR, TYC-10IR, TYC-20IR, TYC-30IR,
 TYC-40IR, TYC-50IR, TYC-60IR, TYC-50A96, TYC-60A96,
 TYC-50A220, TYC-100A220, TYC-150A220, TYC-50A380V,
 TYC-100A380V, TYC-150A380V, TYC-50A400V,
 TYC-100A400V, TYC-150A400V, TYC-40A96

Applicant..... : GUANGZHOU SUNNYSKY SOLAR EQUIPMENT CO., LTD
 Address..... : No.6 Building 6, Yiheng Road, Xipengling, Hebian Wushe
 Industry Area, Baiyun District, Guangzhou,China
 Telephone..... : /
 Fax..... : /

Manufacturer..... : GUANGZHOU SUNNYSKY SOLAR EQUIPMENT CO., LTD
 Address..... : No.6 Building 6, Yiheng Road, Xipengling, Hebian Wushe
 Industry Area, Baiyun District, Guangzhou,China
 Telephone..... : /
 Fax..... : /

Factory..... : GUANGZHOU SUNNYSKY SOLAR EQUIPMENT CO., LTD
 Address..... : No.6 Building 6, Yiheng Road, Xipengling, Hebian Wushe
 Industry Area, Baiyun District, Guangzhou,China
 Telephone..... : /
 Fax..... : /

Test Result:

Positive

*The test report merely corresponds to the test sample.
 It is not permitted to copy extracts of these test result without the written permission of the test laboratory.
 The total Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated Biphenyls and Polybrominated Diphenylethers in the submitted samples comply with the requirement of RoHS Directive 2011/65/EU, and its amendment directives.*

DATA CONCLUSION:

Lead (Pb)
 Cadmium (Cd)
 Mercury (Hg)
 Hexavalent Chromium (Cr6+)
 Polybrominated Biphenyls (PBBs)
 Polybrominated Diphenylethers (PBDEs)

No.	Component	Test Lab	Report No.& Issue Date	Test Data(ppm)
1	BOBBIN	SGS	CE-2015-65085 2015-07-01	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBs: N.D. PBDEs: N.D.
2	ALUMINUM ELECTROLYTIC CAPACITOR	SGS	CANEC1706453204 2017-04-20	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D.
3	CERAMIC CAPACITOR	SGS	CANEC1706453205 2017-04-20	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBs: N.D. PBDEs: N.D.
4	SMD RESISTOR	SGS	SHAEC1703705901 2017-03-10	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBs: N.D. PBDEs: N.D.
5	IC	SGS	SHAEC1700942803 2017-01-25	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBs: N.D. PBDEs: N.D.

No.	Component	Test Lab	Report No.& Issue Date	Test Data(ppm)
6	TIN	SGS	CANEC1624271705 2016-12-15	Cd: N.D. Pb: 10 Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
7	TRANSFORMER	SGS	CANEC1612691903 2016-07-11	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
8	SMD DIODE	SGS	SHAEC1613723901 2016-07-07	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
9	FERRITE CORE	SGS	CE/2016/44659 2016-05-03	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
10	SMD CAPACITOR	SGS	CE/2016/52458 2016-05-17	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBS: N.D. PBDES: N.D.
11	DIODE	SGS	SHAEC1608680504 2016-05-06	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBS: N.D. PBDES: N.D.

No.	Component	Test Lab	Report No.& Issue Date	Test Data(ppm)
12	GREEN PLASTIC	SGS	CANEC1602808403 2016-03-10	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBS: N.D. PBDES: N.D.
13	PCB	SGS	CANEC1604109804 2016-03-24	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
14	TRANSISTOR	SGS	SHAEC1605034003 2016-03-29	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBS: N.D. PBDES: N.D.
15	COPPER PIN OF CONNECTOR	SGS	CANEC1522703607 2016-01-04	Cd: N.D. Pb: 22 Hg: N.D.
16	SMD TRANSISTOR	SGS	SHAEC1521417309 2015-11-02	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
17	TRANSPARENT PET	SGS	SHAEC1520729504 2015-10-21	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.

No.	Component	Test Lab	Report No.& Issue Date	Test Data(ppm)
18	CERMAIC CAPACITOR	SGS	XMNEC1501010301 2015-11-03	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBS: N.D. PBDES: N.D.
19	SMD POWER INDUCTOR	SGS	CANEC1520218401 2015-11-27	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBS: N.D. PBDES: N.D.
20	LED Display	SGS	CANEC1710252801 2017-06-12	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ : N.D. PBBS: N.D. PBDES: N.D.
21	INK	CTI	SCL01H063506002C 2015-07-29	Cd: N.D. Pb: 7 Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
22	Y CAPACITOR	SGS	CANEC1510758501 2015-06-30	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
23	ENAMEL FOR MAGNET WIRE	SGS	CANEC1504813304 2015-04-09	Cd: N.D. Pb: N.D. Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.

No.	Component	Test Lab	Report No.& Issue Date	Test Data(ppm)
24	COLOR INDUCTOR	SGS	CANEC1500953704 2015-01-27	Cd: N.D. Pb: 16 Hg: N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES: N.D.
25	SCREW	SGS	CANEC1503475403 2015-03-19	CD: N.D. PB: N.D. HG: N.D. CR6+: N.D.

Notes:

- (1) N.D.= Not detected (<MDL)
- (2) MDL=Method Detection Limit
- (3) ppm = mg/kg
- (4) "--" = Not applicable
- (5) "<" = less than
- (6) N.D.=absence of CrVI coating

PHOTOGRAPHS OF EUT



Fig.1

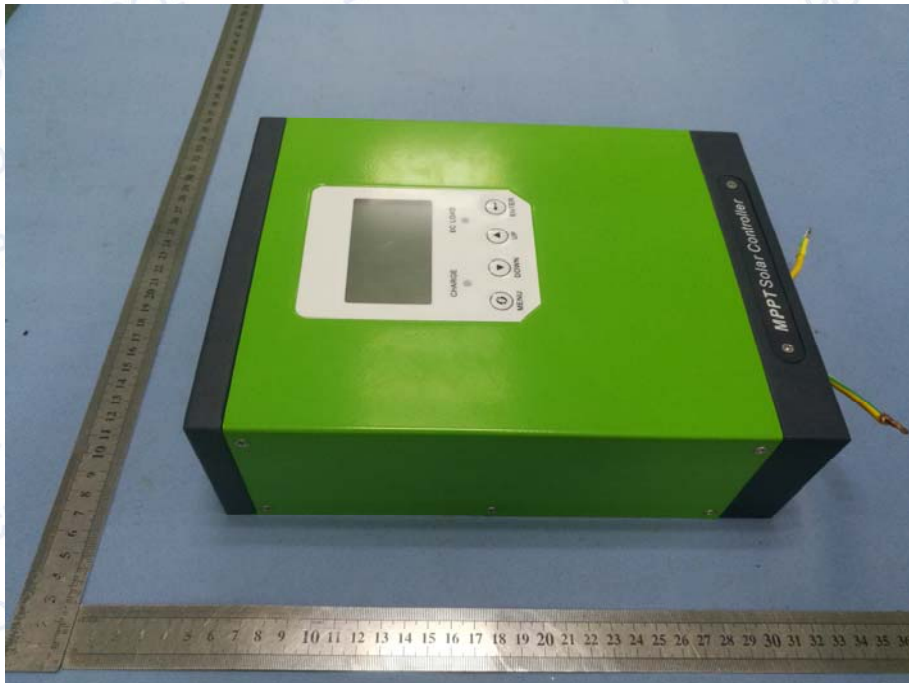


Fig.2



Fig.3

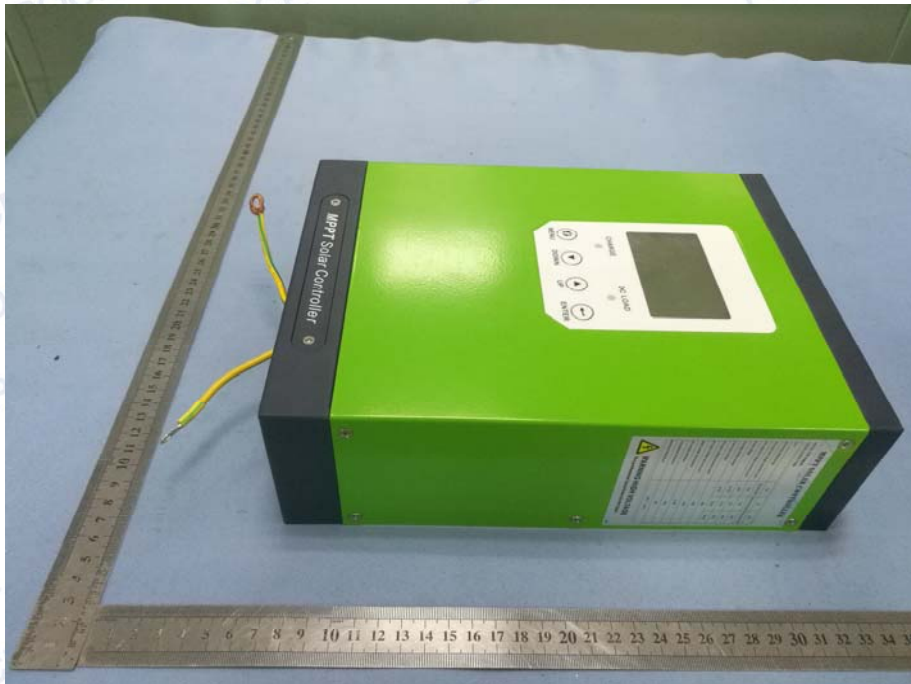


Fig.4

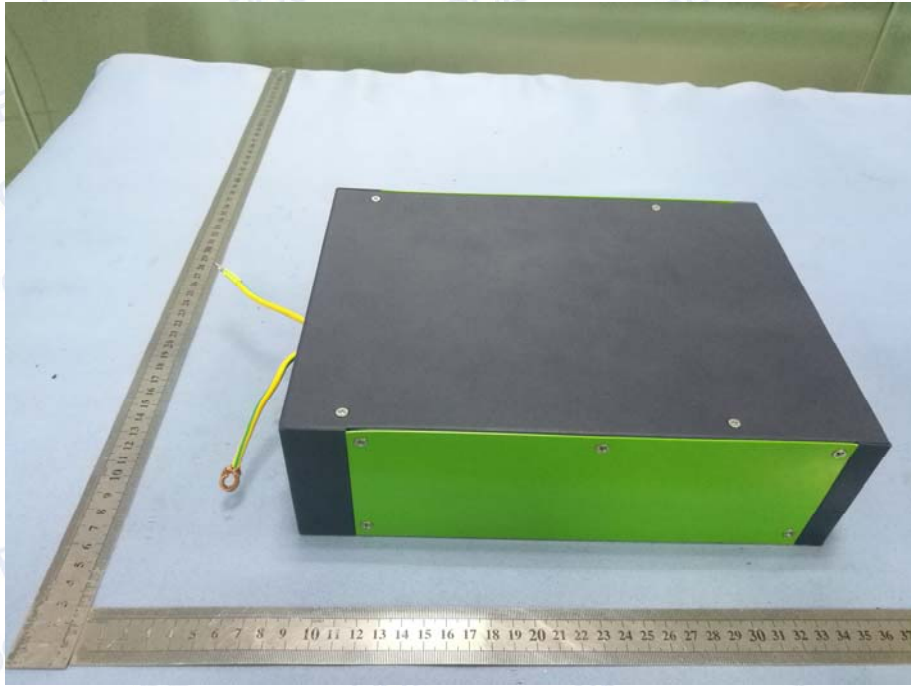


Fig.5



Fig.6

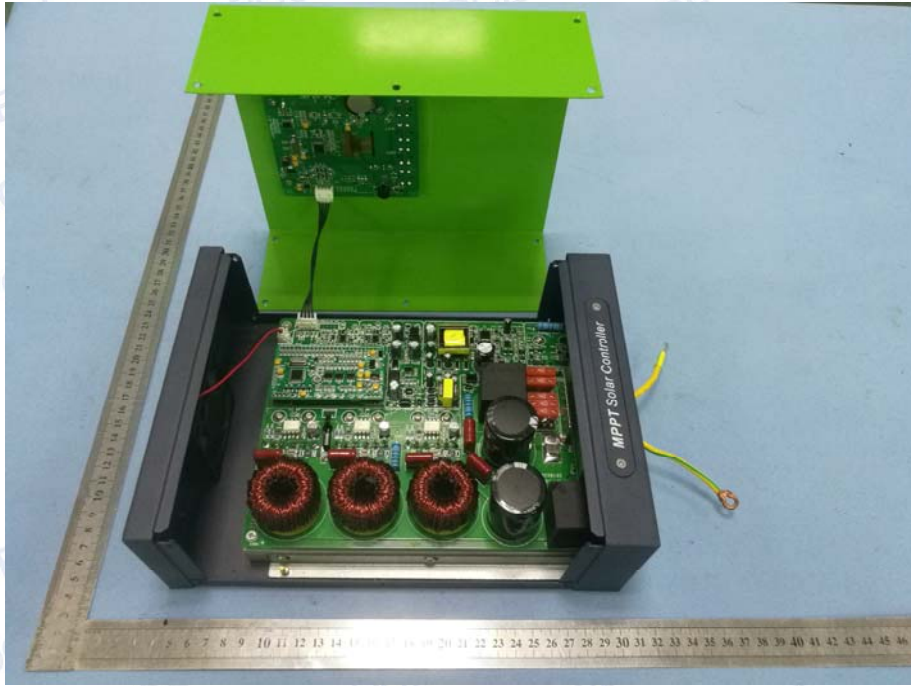


Fig.7



Fig.8

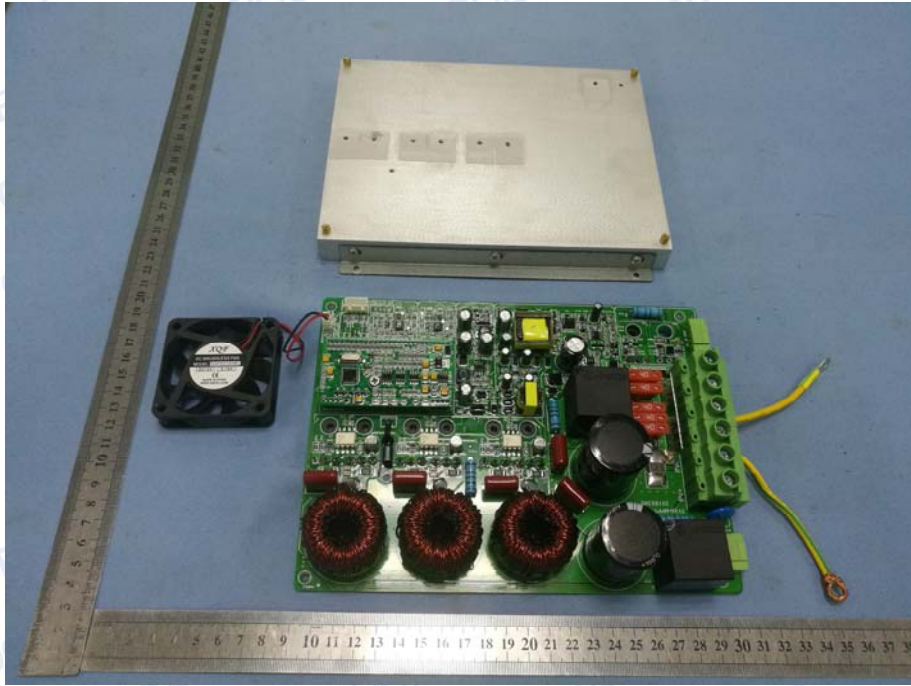


Fig.9

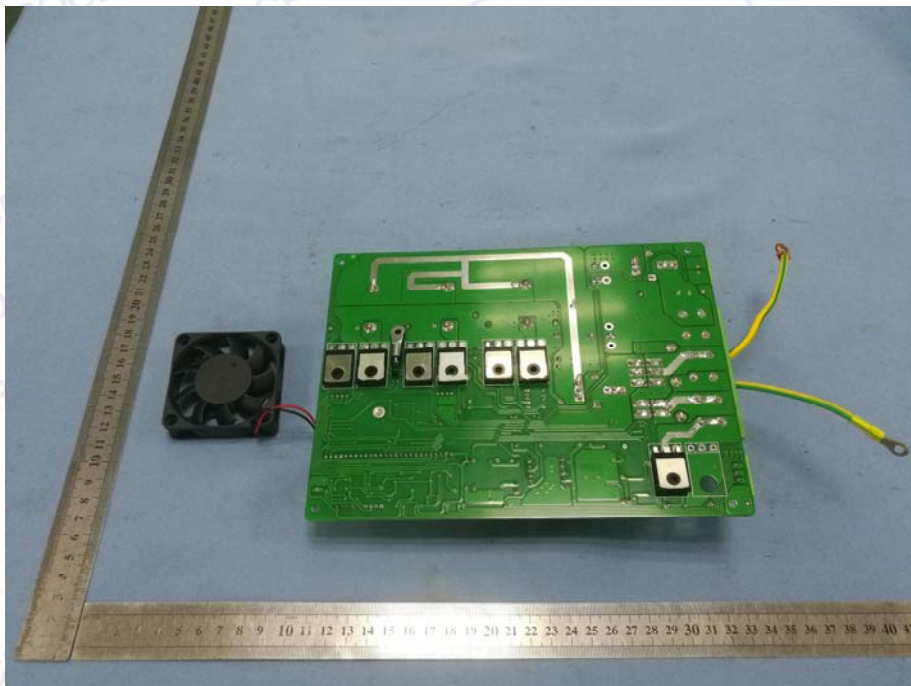


Fig.10

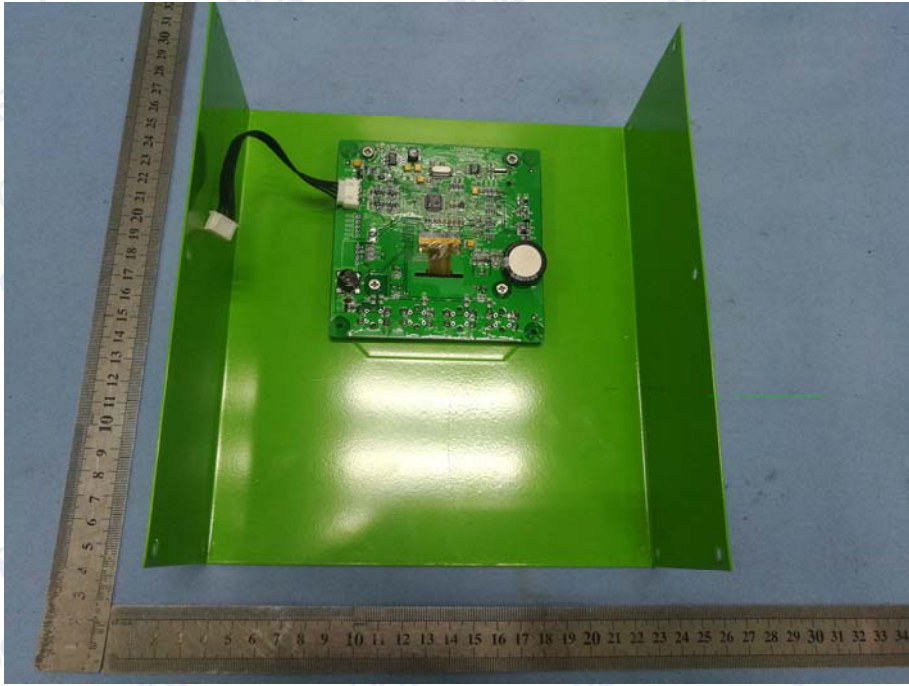


Fig.11

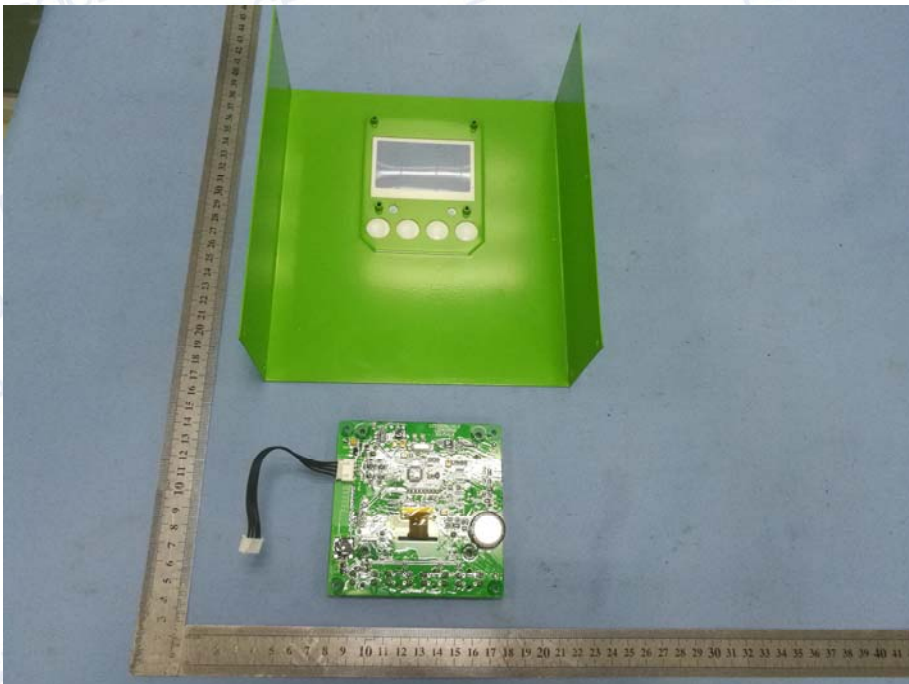


Fig.12

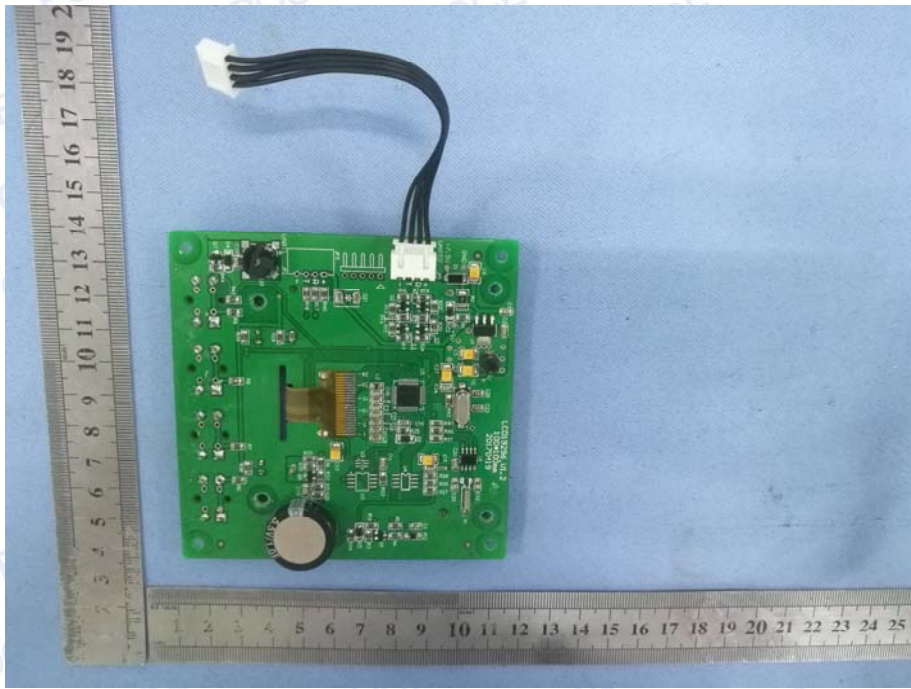


Fig.13

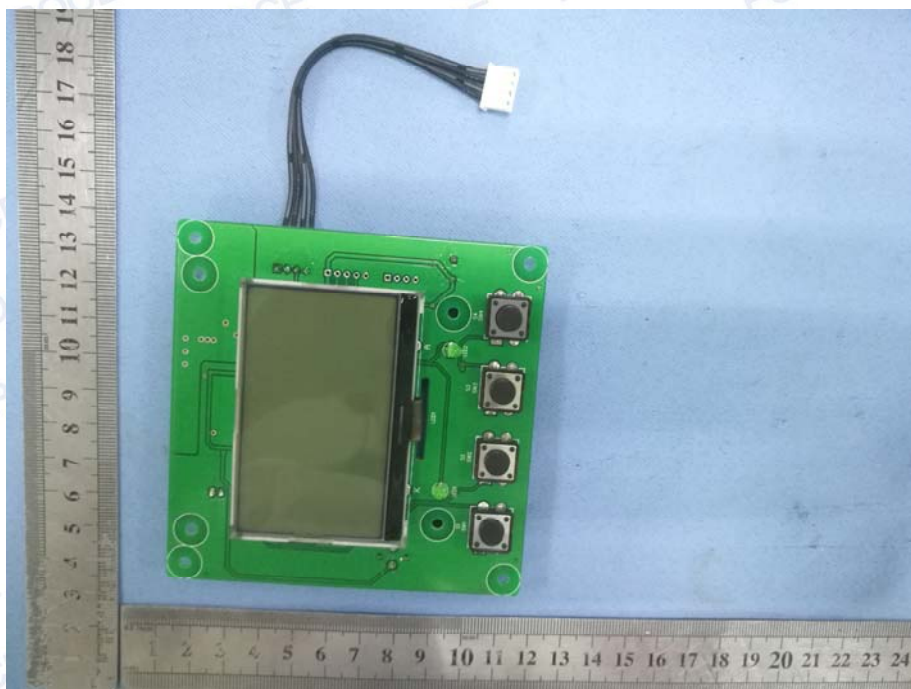


Fig.14

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