

## Verification Report

No. CANEC1814450701

Date: 10 Aug 2018

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SHOWVEN TECHNOLOGIES CO., LTD.

BUILDING B1, CHANGSHA E-CENTER, NO.18 XIANGTAI ROAD, LIUYANG ECONOMIC DEVELOPMENT ZONE, HUNAN, CHINA

Sample Name : SPARKULAR mini  
SGS Job No. : CP18-038356 - SZ  
Tested Basic Model No. : BT06  
(P.O.No) :  
Client Ref. Info. : According to declaration from client, the materials in models BT08, BT16, BT26, BT07, BT09, BT17, BT27 are the same as those in model BT06.  
Date of Sample Received : 28 Apr 2017  
Verification Period : 28 Apr 2017 - 26 Jul 2017  
Verification Requested : With reference to RoHS Directive 2015/863/EU amending 2011/65/EU.  
Verification Method : Please refer to next page(s).  
Verification Result : Please refer to next page(s).  
Verification Conclusion : Based on the review of previous reports and verification results of semi-part samples assigned by the client, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU recasting 2002/95/EC.  
Note : The test results are related only to the tested items. The report shall not be reproduced except in full without the written approval of the testing laboratory.

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Jenny Liao  
Approved Signatory



## Verification Method :

1. With reference to IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report
  - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy
  - (2) Wet chemical test method
    - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES
    - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES
    - c. With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES
    - d. With reference to IEC 62321-7-1:2015, IEC 62321-7-2:2017 & ISO 17075-1:2017, determination of Hexavalent chromium by Colorimetric method using UV-Vis.
    - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN\\_Doccheck@sgs.com](mailto:CN_Doccheck@sgs.com)



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Report No.: SZEM180700649301  
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# TEST REPORT

**Application No.:** SZEM1807006493CR  
**Applicant:** Showven Technologies Co., Ltd  
**Address of Applicant:** Building B1, Changsha E-Center, No.18 Xiangtai Road, Liuyang Economic Development Zone, Hunan, China  
**Manufacturer:** Showven Technologies Co., Ltd  
**Address of Manufacturer:** Building B1, Changsha E-Center, No.18 Xiangtai Road, Liuyang Economic Development Zone, Hunan, China  
**Factory:** Showven Technologies Co., Ltd  
**Address of Factory:** Building B1, Changsha E-Center, No.18 Xiangtai Road, Liuyang Economic Development Zone, Hunan, China

**Equipment Under Test (EUT):**  
**EUT Name:** SPARKULAR mini  
**Model No.:** BT06, BT08, BT16, BT26 ♣  
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.  
**Trade mark:** SHOWVEN  
**Standards:** EN 61000-6-3:2007 +A1:2011  
EN 61000-6-1:2007  
**Date of Receipt:** 2017-04-24 (for original report SZEM170400358901)  
**Date of Test:** 2017-07-18 to 2017-08-07 (for original report SZEM170400358901)  
**Date of Issue:** 2017-08-08 (for original report SZEM170400358901)  
2018-07-23 (for new report SZEM180700649301)

<b>Test Result :</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Keny Xu  
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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## VERIFICATION OF COMPLIANCE

No.: LVD SZES1807003427CR  
Applicant: Showven Technologies Co., Ltd.  
Building B1, Changsha E-Center, No.18 Xiangtai Road, Liuyang  
Economic Development Zone, Hunan, China  
Manufacturer: Same as applicant  
Product Name: SPARKULAR mini  
Product Description: --  
Model No.: BT06, BT08, BT16, BT26  
Rating: 200 - 240 V $\sim$ ; 50 - 60 Hz; 8,4 A  
Protection against Electric Shock: Class I  
Degree of Protection: IPX0  
Additional Information (if any): --  
Sufficient samples of the product have been tested and found to be in conformity with  
Test Standard: EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 +  
A2: 2013  
Test Report Number(s): SZES180700342701

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

  
Rocky Wang  
Laboratory Manager  
SGS-CSTC



2018-08-02

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## VERIFICATION OF RED COMPLIANCE

Verification No.: SZEM1807006493CRV  
Product Description: SPARKULAR mini  
Model No.: BT06, BT08, BT16, BT26  
Applicant: Showven Technologies Co., Ltd  
Address of Applicant: Building B1, Changsha E-Center, No.18 Xiangtai Road,  
Liyang Economic Development Zone, Hunan, China  
Test Report Number(s): SZEM180700649301, SZEM180700649302,  
SZEM180700649303, SZEM180700649304,  
SZES180700342701.  
Standards Required: EN 61000-6-3:2007 +A1:2011, EN 61000-6-1:2007  
EN 301 489-1 V2.1.1, Final draft EN 301 489-3 V2.1.1,  
EN 300 220-1 V3.1.1, EN 300 220-2 V3.1.1, EN 62479:2010,  
EN 60950-1: 2006+A11:2009+A1:2010+A12:2011+A2:2013

### Conclusion

Based on a review of the test report(s) detailed above, this apparatus meets the requirements of above standards. The product is in conformity with the essential requirements of Article 3.1 (a) the protection of the health, property and safety, 3.1 (b) an adequate level of electromagnetic compatibility and 3.2 effective use of the spectrum of 2014/53/EU.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Keny Xu  
EMC Laboratory Manager



Date: 2018-08-03

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