Test Report issued under the responsibility of:

TEST REPORT
IEC 62368-1
Audio/video, information and communication technology equipment
Part 1: Safety requirements

Report Number ..... :	SZES230900594601
Date of issue ..... :	2023-11-07
Total number of pages ..... :	84 Pages
Name of Testing Laboratory preparing the Report ..... :	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Applicant's name ..... :	TPV Electronics (Fujian) Co., Ltd.
Address ..... :	Rongqiao Economic & Technological Development Zone, Fuqing, Fujian, China
Test specification:	
Standard ..... :	IEC 62368-1:2014
Test procedure ..... :	CB Scheme
Non-standard test method ..... :	N/A
TRF template used ..... :	IECEE OD-2020-F1:2021, Ed.1.4
Test Report Form No. ..... :	IEC62368_1D
Test Report Form(s) Originator .. :	UL(US)
Master TRF ..... :	Dated 2022-04-14

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test Item description ..... :	LCD Monitor	
Trade Mark(s) ..... :	AOC	
Manufacturer..... :	Same as applicant	
Model/Type reference ..... :	Q27G4, Q27G4XN, 27G4X, Q27G4X, 27G4, **27G4********** (* can be A-Z, a-z, 0-9, blank or symbol +, -, /, \, or sign absence or no mark or no symbol)	
Ratings ..... :	100 - 240 V ~, 50 / 60 Hz, 1,5 A, Class I	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒ **CB Testing Laboratory:**	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch	
Testing location/ address ..... :	No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China	
Tested by (name, function, signature) ..... :	Yoyo Zhi / Project Engineer	Yoyo zhi
Approved by (name, function, signature) ..... :	Emily Wang / Report Reviewer	Emily Wang
☐ **Testing procedure: CTF Stage 1:**		
Testing location/ address ..... :		
Tested by (name, function, signature) ..... :		
Approved by (name, function, signature) ..... :		
☐ **Testing procedure: CTF Stage 2:**		
Testing location/ address ..... :		
Tested by (name, function, signature) ..... :		
Witnessed by (name, function, signature)..... :		
Approved by (name, function, signature) ..... :		
☐ **Testing procedure: CTF Stage 3 :**		
☐ **Testing procedure: CTF Stage 4:**		
Testing location/ address ..... :		
Tested by (name, function, signature) ..... :		
Witnessed by (name, function, signature)..... :		
Approved by (name, function, signature) ..... :		
Supervised by (name, function, signature) ..... :		

List of Attachments (including a total number of pages in each attachment):

Attachment 1: 21 pages of Photos.

Attachment 2: 5 pages of Construction of Transformer;

Attachment 3: 10 pages of EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES;

Attachment 4: 32 pages of AUSTRALIA / NEW ZEALAND NATIONAL DIFFERENCES;

Attachment 5: 4 pages of JAPAN NATIONAL DIFFERENCES;

Attachment 6: 5 pages of U.S.A. AND CANADA NATIONAL DIFFERENCES;

Attachment 7: 1 page of SAUDI ARABIA NATIONAL DIFFERENCES.

Summary of testing:

The sample(s) tested complies with the requirements of IEC 62368-1: 2014.

All test data are copied from original test report SZES230800493501 dated on 2023-09-26, with the following changes and/or additions:

- Added power board version 2, which is identical with original power board version1 except for updating Line Choke (L9902), see table 4.1.2 List of critical components for details.
- Added main board 715GE382 type A, 715GE382 type B, 715GE276 and 715GE198 type B.
- Added Alt. base.
- Added model No. “Q27G4, Q27G4XN, 27G4X, Q27G4X” which is identical with original model No. except for model name.

After comparison, additional tests 5.4.1.4 & 9.2, Annex B.2.5, Annex B.3,2 and Annex Q.1 need to be evaluated for EUT with power board version 2 & main board 715GE276, additional tests Annex B.2.5, Annex B.4 and Annex Q.1 need to be evaluated for EUT with power board version 2 & main board 715GE198 type B, additional tests Annex B.2.5 and Annex Q.1 need to be evaluated for EUT with power board version 2 & main board 715GE382 type A & 715GE382 type B, and still complied with the requirement of standard covered in this report.

Representative model(s) for full testing: 27G4.

Heating test: Tma = 40 °C (Declared by manufacturer).

T-type thermocouple used for temperature measurement.

Operation mode under test: Unless otherwise specified, all tests were carried out with three vertical bar products three equidistant vertical white bars on a black background and maximum brightness and contrast.

Remark:

There are two versions power board and five version main board for this product:

Power board	Main board
715G7610 version1, 715G7610 version2	715GE198 type A
	715GE198 type B
	715GE276
	715GE382 type A
	715GE382 type B

The power board 715G7610 version2 is identical with power board 715G7610 version1 except for updating Line Choke (L9902).

Tests performed (name of test and test clause):	**Testing location:**
☒ 4. General requirements ☒ 5. Electrically-caused injury ☒ 6. Electrically-caused fire ☐ 7. Injury caused by hazardous substances ☒ 8. Mechanically-caused injury ☒ 9. Thermal burn injury ☒ 10. Radiation ☒ Annex B. Normal operating condition tests, abnormal operating condition tests and single fault condition tests ☒ Annex F.3.9. Performance of Marking test ☐ Annex M. Equipment Containing Batteries And Their Protection Circuits ☒ Annex P.4 Metallized coatings and adhesive securing parts ☒ Annex Q. Limited Power Source ☒ Annex T. Mechanical strength tests ☒ Annex V. Determination of accessible parts	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China

Summary of compliance with National Differences (List of countries addressed):

EU Group Differences, AU, NZ, JP, US, CA, SA, GB

☒ **The product fulfils the requirements of EN 62368-1:2014 + A11:2017, AS/NZS 62368.1:2018, J62368-1 (2020), UL 62368-1: 2014 Ed.2, CSA C22.2 No. 62368-1: 2014 Ed.2, BS EN 62368-1:2014 + A11:2017, SASO-IEC-62368-1.**