



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** ..... : SZES230900594701

**Date of issue** ..... : 2023-11-07

**Total number of pages** ..... : 86 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 62368-1:2018

**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\_1E

**Test Report Form(s) Originator**.... : UL(US)

**Master TRF** ..... : Dated 2022-04-14

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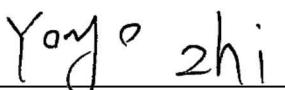
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Test item description .....	LCD Monitor
Trade Mark(s) .....	
Manufacturer.....	Same as applicant
Model/Type reference .....	<b>Q27G4, Q27G4XN, 27G4X, Q27G4X</b> , 27G4, **27G4***** (* can be A-Z, a-z, 0-9, blank or symbol +, -, /, \, or sign absence 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):**

<input checked="" type="checkbox"/> 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	
Approved by (name, function, signature) ..:	Emily Wang / Report Reviewer	
<input type="checkbox"/> Testing procedure: CTF Stage 1:		
Testing location/ address .....		
Tested by (name, function, signature) .....		
Approved by (name, function, signature) ..:		
<input type="checkbox"/> Testing procedure: CTF Stage 2:		
Testing location/ address .....		
Tested by (name, function, signature) .....		
Witnessed by (name, function, signature) .:		
Approved by (name, function, signature) ..:		
<input type="checkbox"/> Testing procedure: CTF Stage 3:		
<input type="checkbox"/> 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: 20 pages of EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES;

Attachment 4: 29 pages of AUSTRALIA / NEW ZEALAND NATIONAL DIFFERENCES;

Attachment 5: 8 pages of U.S.A. AND CANADA NATIONAL DIFFERENCES;

Attachment 6: 2 pages of SINGAPORE NATIONAL DIFFERENCES;

Attachment 7: 1 page of SAUDI ARABIA NATIONAL DIFFERENCES;

Attachment 8: 5 pages of CHINA NATIONAL DIFFERENCES.

**Summary of testing:**

The sample(s) tested complies with the requirements of IEC 62368-1:2018.

All test data are copied from original test report SZES230800493601 dated on 2023-09-07, 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 & 9.3, 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,	715GE198 type A
715G7610 version2	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).		
<b>Tests performed (name of test and test clause):</b>		<b>Testing location:</b>
<input checked="" type="checkbox"/> 4. General requirements <input checked="" type="checkbox"/> 5. Electrically-caused injury <input checked="" type="checkbox"/> 6. Electrically-caused fire <input type="checkbox"/> 7. Injury caused by hazardous substances <input checked="" type="checkbox"/> 8. Mechanically-caused injury <input checked="" type="checkbox"/> 9. Thermal burn injury <input checked="" type="checkbox"/> 10. Radiation <input checked="" type="checkbox"/> Annex B. Normal operating condition tests, abnormal operating condition tests and single fault condition tests <input checked="" type="checkbox"/> Annex F.3.9. Performance of Marking test <input type="checkbox"/> Annex M. Equipment Containing Batteries And Their Protection Circuits <input checked="" type="checkbox"/> Annex P.4 Metallized coatings and adhesives securing parts <input checked="" type="checkbox"/> Annex Q. Limited Power Source <input checked="" type="checkbox"/> Annex T. Mechanical strength tests <input checked="" type="checkbox"/> 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
<b>Summary of compliance with National Differences (List of countries addressed):</b>		
EU Group Differences, AU, NZ, US, CA, SG, SA, CN, GB		
<input checked="" type="checkbox"/> The product fulfils the requirements of EN IEC 62368-1:2020+A11:2020, AS/NZS 62368.1:2022, UL 62368-1: 2019 Ed.3, CSA C22.2 No. 62368-1: 19 Ed.3, SASO-IEC 62368-1:2020, GB 4943.1-2022, BS EN IEC 62368-1: 2020 + A11: 2020.		