



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

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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

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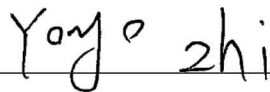

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General disclaimer:

The test results presented in this report relate only to the object tested.

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Test Item description	LCD Monitor	
Trade Mark(s)		
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):		
<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	
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: T_{ma} = 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): <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 adhesive 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	Testing location: 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 <input checked="" type="checkbox"/> 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.	