



## TEST REPORT IEC 62368-1

# Audio/video, information and communication technology equipment Part 1: Safety requirements

 Report Number......:
 CN22YT36 001

 Date of issue .......:
 Sep.09.2022

Total number of pages .....: 89

Name of Testing Laboratory

preparing the Report ...... : TÜV Rheinland (Shenzhen) Co., Ltd.

Applicant's name .....: TPV Electronics (Fujian) Co., Ltd.

Fuqing City, Fujian, P.R.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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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 N	LCD MONITOR (LED backlight)		
Trade Mark(s):	AOC			
Manufacturer:	Same	as applicant		
Model/Type reference:	/, + o	<b>,</b>		
Ratings:	I/P: 10	0-240V~, 50/60Hz, 3.0A		
Responsible Testing Laboratory (as a	pplicat	ole), testing procedure and	d testing location(s):	
☐ CB Testing Laboratory:		TÜV Rheinland (Shenzhen) Co., Ltd.		
		1601-1604, 17-18F, Tower A Building 2, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Street, Xili Community, Shenzhen 518052 Nanshan District, China		
Tested by (name, function, signature):		Same as below		
Approved by (name, function, signatu	re) :	Same as below		
Tooting procedure: CTE Stage 1:		TD\/ Floatropics (Fujion) Co	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Testing procedure: CTF Stage 1:  Testing location/ address:		TPV Electronics (Fujian) Co., Ltd.  Shangzheng, Yuan Hong Road Fuqing City, Fujian, P.R.China		
Tested by (name, function, signature):		Crystal Xu Project Engineer	Gystal Xu	
Approved by (name, function, signatu	re):	Anderson Wang Technical Reviewer	And I	
Testing procedure: CTF Stage 2:			,	
Testing location/ address:				
Tested by (name, function, signature)				
Witnessed by (name, function, signature).:				
Approved by (name, function, signatu	re):			
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):

- Measurement Section (7 Pages)
- National Differences (33 Pages)
- Other National Requirements (7 Pages)
- Photo documentation (6 Pages)

#### Summary of testing:

#### Tests performed (name of test and test clause):

Classification of electrical energy sources  Accessibility to electrical energy sources and safeguards (Accessibility test)  Maximum operating temperature test (Heating test)  Determination of working voltage  Ball pressure test  S.4.1.40.3  Minimum Clearances/Creepage distance  Humidity test  Electric strength test  Safeguards against capacitance discharge test  Winearthed accessible parts  Electrical Power Source (PS) measurements for classification  Top Openings in Fire Enclosure  Bottom Openings in Fire Enclosure  Annex B.2.5  Abnormal operating and fault condition tests  Annex B.3, B.4  Test for permanence of markings  Annex P.2.2  Adhesive test  Cassification  Top Other of the permanence of markings  Safeguards against entry of foreign object  Annex P.4  Limited power source test (LPS)  Enclosure impact test  Annex T.6  Annex T.6  Stress relief test  Annex T.8	name of test	test clause number
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#### **Testing location:**

- 1) All tests except Clause 5.4.1.10.3 and Clause 8.7 as described in Test Case and Measurement Sections were performed at the CTF stage 1 described on page 2.
- 2) Clause 5.4.1.10.3 and Clause 8.7 test was performed at CB Testing Laboratory described on page 2.

The EUT passed the test.

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

EU Group Differences, EU Special National Conditions, CA, DK, FR, SG, US

Explanation of used codes: CA=Canada, DK=Demark, FR=France, SG=Singapore, US=United States of America

### The product fulfils the requirements of <u>EN IEC 62368-1:2020+ A11:2020</u> and <u>BS EN IEC 62368-1:2020+ A11:2020</u>.

For National Differences see corresponding Attachment.

#### Use of uncertainty of measurement for decisions on conformity (decision rule) :

No decision rule is specified by the IEC standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method").

Other: ... (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)

#### Information on uncertainty of measurement:

The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECEE.

IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

#### Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



Note: All models rating label are similar except for type designation. Above labels are representing the other models.