



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** ..... : CN21TAYF 001

**Date of issue** ..... : Feb.21, 2022

**Total number of pages** ..... : 88 pages

**Name of Testing Laboratory preparing the Report** ..... : TÜV Rheinland (Shenzhen) Co., Ltd.

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

**Address** ..... : Rongqiao Economic and Technological Development Zone Fuqing City, Fujian, P.R.China

#### Test specification:

**Standard** ..... : IEC 62368-1:2014

**Test procedure** ..... : CB Scheme

**Non-standard test method** ..... : N/A

**TRF template used** ..... : IECEE OD-2020-F1:2020, Ed.1.3

**Test Report Form No.** ..... : IEC62368\_1D

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

**Master TRF** ..... : Dated 2021-02-04

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Test Item description .....	LCD MONITOR (LED backlight)
Trade Mark(s) .....	AOC
Manufacturer.....	Same as applicant
Model/Type reference .....	AG344U, AG344UXM, AG344***** (* can be 0-9, A-Z, a-z, "+", "-", "/", "\\" or blank, Represent different enclosure color and sales region for marketing purpose. No technology differences)
Ratings .....	I/P: 100-240V~, 50/60Hz, 4A

**Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):**

<input checked="" type="checkbox"/> CB Testing Laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.	
Testing location/ address .....	1601-1604, 17-18F, Tower A Building 2, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Street, Xili Community, Nanshan District, Shenzhen 518052, China	
Tested by (name, function, signature) .....	Jason Zheng Project Handler	
Approved by (name, function, signature) .....	Steven Lin Technical Certifier	

<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: Measurement Section (9 Pages)
- ATTACHMENT 2: National Differences (36 Pages)
- ATTACHMENT 3: Other National Requirements (2 pages)
- ATTACHMENT 4: Photo documentation (8 Pages)

**Summary of testing:****Tests performed (name of test and test clause):**

name of test	test clause number
Classification of electrical energy sources	5.2
Accessibility to electrical energy sources and safeguards (Accessibility test)	5.3.2
Maximum operating temperature test (Heating test)	5.4.1.4, 6.3.2, 9.0, B.2.6
Determination of working voltage	5.4.1.8
Ball pressure test	5.4.1.10.3
Minimum Clearance/Creepage distance	5.4.2.2, 5.4.2.4 and 5.4.3
Humidity test	5.4.8
Electric strength test	5.4.9
Safeguards against capacitance discharge test	5.5.2.2
Resistance of the protective bonding system (Ground continuity test)	5.6.6.2
Earthed accessible conductive part test	5.7.2.2, 5.7.4
Electrical Power Source (PS) measurements for classification	6.2.2
Top Openings in Fire Enclosure	6.4.8.3.3
Bottom Openings in Fire Enclosure	6.4.8.3.4
Stability	8.6
Wall or ceiling mount loading test	8.7
Input test	Annex B.2.5
Simulated abnormal operating and single fault conditions	Annex B.3, B.4
Test for permanence of markings	Annex F.3.10
Safeguards against entry of foreign object	Annex P.2.2
Adhesive test	Annex P.4
Limited power source test (LPS)	Annex Q.1
Steady force test, 10N, 30N, 250N	Annex T.2, T.3, T.5
Enclosure impact test	Annex T.6

**Testing location:**

All tests as described in Test Case and Measurement Sections were performed at the laboratory described on page 2.