

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:	CN234SJ6 001
Date of issue:	Sep.21.2023

Total number of pages 88

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 62368-1:2018
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

Copyright © 2022 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

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.

		age 2 01 00	Report No. 011204000 00		
Test item description:	OLED	Monitor			
Trade Mark(s):	AOC				
Manufacturer:	Same as applicant				
Model/Type reference:		AG456UCZD, AG456************** (* can be 0-9, A-Z, a-z, - or blank for marketing purpose only, no technical difference			
Ratings:	I/P: 10	-240V~, 50/60Hz, 3.5A			
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			d testing location(s):		
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, Shenzhen 518052 Nanshan District, China			
Tested by (name, function, signature)	:	See below			
Approved by (name, function, signature) :		See below			
Testing procedure: CTF Stage 1:		TPV Electronics (Fujian) Co., Ltd.			
Testing location/ address	:	Shangzheng, Yuan Hong Road Fuqing City, Fujian, P.R.China			
Tested by (name, function, signature)	:	Anderson Wang Project Handler	And		
Approved by (name, function, signatu	re) :	Solina Zhao Technical Reviewer	Solina 3pm		
Testing procedure: CTF Stage 2:					
Testing location/ address					
Tested by (name, function, signature)					
Witnessed by (name, function, signate	ure).:				
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, signal	-				
	-				

List of Attachments (including a total number of pages in each attachment): Measurement Section (6 Pages) National Differences (38 Pages) Other National Requirements (8 pages) Photo documentation (9 Pages) Summary of testing: Tests performed (name of test and test clause): **Testing location:** test clause 1) All tests except Ball pressure test, name of test number Wall mounting test and Tests for resistance to heat and fire as described Classification of electrical energy sources 5.2 in Test Case and Measurement 5.3.2 Accessibility to electrical energy sources and Sections were performed at the CTF safeguards (Accessibility test) stage 1 described on page 2. Maximum operating temperature test (Heating 5.4.1.4, 9.3, B.1.5, 2) Ball pressure test, Wall mounting B.2.6 test) test and Tests for resistance to heat Determination of working voltage 5.4.1.8 and fire were performed at CB Testing Laboratory described on page 2. Ball pressure test 5.4.1.10.3 Minimum Clearances/Creepage distance 5.4.2, 5.4.3 5.4.8 Humidity test 5.4.9 Electric strength test Safeguards against capacitance discharge test 5.5.2.2 Resistance of the protective bonding system 5.6.6 (Ground continuity test) Unearthed accessible parts 5.7.4 Earthed accessible conductive part test 5.7.5 Electrical Power Source (PS) measurements for 6.2.2 classification Top Openings in Fire Enclosure 6.4.8.3.3 Bottom Openings in Fire Enclosure 6.4.8.3.4 Stability 8.6 8.7 Wall or ceiling mount loading test Annex B.2.5 Input test Abnormal operating and fault condition tests Annex B.3, B.4 Annex F.3.10 Test for permanence of markings Transformer insulation Annex G.5.3.2 Annex G.5.3.3 Transformer overload Safeguards against entry of foreign object Annex P.2.2 Adhesive test Annex P.4 Limited power source test (LPS) Annex Q.1 Tests for resistance to heat and fire Annex S Annex T.2, T.3, T.5 Steady force test, 10N, 30N, 250N Annex T.6 Enclosure impact test Stress relief test Annex T.8

TRF No. IEC62368_1E

Glass impact test

Annex T.9

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

EU Group Differences, EU Special National Conditions, CA, DK, JP, SA, SG, US

Explanation of used codes: CA=Canada, DK=Demark, JP=Japan, SA=Saudi Arabia, 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:</u> 2020 + A11: 2020.

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 labels are in the same design except for type designation. Above labels are representing the other models.