



Ref. Certif. No.

**SE-109410**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product	LCD Monitor
Name and address of the applicant	TPV Electronics (Fujian) Co., Ltd. Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, China
Name and address of the manufacturer	MMD (Shanghai) Electronics Technology Co., Ltd. Room 5060A, No. 2 Building, 555 Dongchuan Road, Minhang District, Shanghai, 200241, China
Name and address of the factory	<input checked="" type="checkbox"/> Additional Information on page 2
<i>Note: When more than one factory, please report on page 2</i>	
Ratings and principal characteristics	100-240V~, 50/60Hz, 1.5A, Class I
Trademark / Brand (if any)	PHILIPS
Customer's Testing Facility (CTF) Stage used	-
Model / Type Ref.	27M2C5500W, 27M2C55, 27M*****
Additional information (if necessary may also be reported on page 2)	<input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	220800069SHA-001

This CB Test Certificate is issued by the National Certification Body

**Intertek Semko AB**  
Torshamnsgatan 43  
Box 1103  
SE-164 22 Kista, Sweden

Date: 02 November, 2022



Signature:

Gary Hu

**Factories**

1. TPV Electronics (Fujian) Co., Ltd.  
Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, China
2. TPV Electronics (Fujian) Co., Ltd.  
Shangzheng, Yuan Hong Road, Fuqing City, Fujian Province, China
3. TPV Electronics (Fujian) Co., Ltd.  
Optoelectronic Park, Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, China
4. L&T Display Technology (Fujian) Ltd  
Optoelectronic Park, Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, China
5. TPV Display Technology (China) Co., Ltd.  
No. 106 Jinghai 3 Rd., BDA Beijing City 100176, China
6. TPV Display Technology (Wuhan) Co., Ltd  
Unique No.11 Zhuankou Development District of Economic Technological Development Zone, Wuhan City, China
7. TPV Display Technology (Beihai) Co., Ltd.  
China Electronic Beihai Industry Park, Northeast of the Crossing between Taiwan Road and Jilin Road, Beihai City, Guangxi, China
8. Trend Smart CE Mexico S. DE R.L. DE C.V.  
Sor Juana, Ines de la Cruz No.19602 Nueva Tijuana, Baja California, C.P. 22435, Mexico
9. Envision Indústria de Produtos Eletrônicos Ltda.  
Av. Torquato Tapajós, 2236, Flores - CEP 69058-830 - Manaus/AM – Brasil
10. TPV Technology (Thailand) Company Limited  
No.267, Mu 7, Tha Tum Sub-District, Si Maha Pho District, Prachin Buri Province, Thailand
11. GeneTouch Corporation  
No. 9, Neixi Rd., Luzhu Dist., Taoyuan City 338012, Taiwan
12. Dixon Technologies (India) Limited.  
EMC-2, Shed No. 2,4,5,6 & 7, Near Tirupati Airport, Village Govindhavaram, Munagalapalem Post, Revenue Vikruthamala, Yerpedu Mandelam, District-Chittoor, Andhra Pradesh, 517526, India
13. Fábrica Austral de Productos Eléctricos S.A.  
Islas Malvinas 1180, Rio Grande (9420), Provincia de Tierra del Fuego, Antártida e Islas del Atlántico Sur, Argentina

**Additional information**

Explanation of model 27M\*\*\*\*\*:

The symbol "\*" can be 0-9, A-Z, a-z, "+", "-", "/", "\", sign absence or blank, which is not influencing on safety.

The group and national differences for the GENELEC countries, and the national differences for USA, Canada and Singapore have been checked.

Date: 02 November, 2022



Signature: 



Test Report issued under the responsibility of:



<b>TEST REPORT</b> <b>IEC 62368-1</b> <b>Audio/video, information and communication technology equipment</b> <b>Part 1: Safety requirements</b>	
<b>Report Number</b> .....	: 220800069SHA-001
<b>Date of issue</b> .....	: October 21, 2022
<b>Total number of pages</b> .....	: 127 pages
<b>Name of Testing Laboratory preparing the Report</b> .....	: Intertek Testing Services Shanghai
<b>Applicant's name</b> .....	: TPV Electronics (Fujian) Co., Ltd.
<b>Address</b> .....	: Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province, P.R.China
<b>Test specification:</b>	
<b>Standard</b> .....	: IEC 62368-1:2018
<b>Test procedure</b> .....	: CB Scheme
<b>Non-standard test method</b> .....	: N/A
<b>TRF template used</b> .....	: IECEE OD-2020-F1:2021, Ed.1.4
<b>Test Report Form No.</b> .....	: IEC62368_1E
<b>Test Report Form(s) Originator</b> ....	: UL(US)
<b>Master TRF</b> .....	: Dated 2022-04-14
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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.	
<b>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.</b>	
<b>General disclaimer:</b>	
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.	

<b>Test item description</b> .....	LCD Monitor	
<b>Trade Mark(s)</b> .....	PHILIPS	
<b>Manufacturer</b> .....	MMD (Shanghai) Electronics Technology Co.,Ltd. Room 5060A, No.2 Building, 555 DongChuan Road, Minhang District, Shanghai, 200241, China	
<b>Model/Type reference</b> .....	27M2C5500W, 27M2C55, 27M***** (The symbol "*" can be 0-9, A-Z, a-z, "+", "-", "/", "\", sign absence or blank, which is not influencing on safety.)	
<b>Ratings</b> .....	100-240V~, 50/60Hz, 1.5A Class I	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/>	<b>CB Testing Laboratory:</b>	Intertek Testing Services Shanghai
<b>Testing location/ address</b> .....		Building No. 86, 1198 Qinzhou Road (North) 200233 Shanghai CHINA
<b>Tested by (name, function, signature)</b> .....		Peter Lin (Engineer) 
<b>Approved by (name, function, signature)</b> ..		Jacky Shu (Mandated Reviewer) 
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 1:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Approved by (name, function, signature)</b> ..		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 2:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Witnessed by (name, function, signature)</b> ..		
<b>Approved by (name, function, signature)</b> ..		
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 3:</b>	
<input type="checkbox"/>	<b>Testing procedure: CTF Stage 4:</b>	
<b>Testing location/ address</b> .....		
<b>Tested by (name, function, signature)</b> .....		
<b>Witnessed by (name, function, signature)</b> ..		
<b>Approved by (name, function, signature)</b> ..		
<b>Supervised by (name, function, signature)</b> :		

<p><b>List of Attachments (including a total number of pages in each attachment):</b></p> <p>Page 83 – 105 : Group and national differences for the CENELEC countries</p> <p>Page 106 – 113 : National differences for USA and Canada</p> <p>Page 114 – 116 : National differences for Singapore</p> <p>Page 117 – 124 : Photos</p> <p>Page 125 – 127 : Measurement Section</p>	
<p><b>Summary of testing:</b></p> <p>All tests are performed and the most disadvantageous results are recorded. We conclude that the appliances comply with this standard.</p>	
<p><b>Tests performed (name of test and test clause):</b></p> <p>5.2, Classification of electrical energy sources</p> <p>5.3.2, Accessibility to electrical energy sources and safeguards (Accessibility test)</p> <p>5.4.1.4, 6.3.2.9.0, B.2.6, Maximum operating temperature test (Heating test)</p> <p>5.4.1.8, Determination of working voltage</p> <p>5.4.8, Humidity test</p> <p>5.4.9, Electric strength test</p> <p>5.5.2.2, Safeguards against capacitance discharge test</p> <p>5.6.6.2, Resistance of the protective bonding system (Ground continuity test)</p> <p>5.7.2.2, 5.7.4, Earthed accessible conductive part test</p> <p>6.2.2, Power source circuit classifications</p> <p>6.3, 6.4, Simulated abnormal operating and single fault Conditions</p> <p>8.7, Wall or ceiling mount loading test</p> <p>9.2.5, Temperature measurements</p> <p>B.2.5, Input test</p> <p>B.3, Simulated abnormal operating conditions test</p> <p>B.4, Simulated single fault conditions test</p> <p>Annex F.3, Durability, legibility and permanence of markings</p> <p>Annex Q.1, Circuits intended for interconnection with building wiring</p> <p>P2.2, Safeguards against entry of foreign object</p> <p>P.4, Adhesive test</p> <p>T.2, T.3, T.5, Steady force test, 10N, 30N, 250N</p> <p>T.6, Enclosure impact test</p> <p>T.8, Stress relief test</p> <p>The equipment under test (EUT) fulfilled the test requirement according to the standard IEC 62368-1:2018 and EN IEC 62368-1:2020 + A11:2020.</p>	<p><b>Testing location:</b></p> <p>Intertek Testing Services Shanghai</p> <p>Building No.86, 1198 Qinzhou Road (North), 200233 Shanghai, China</p>
<p><b>Summary of compliance with National Differences (List of countries addressed):</b></p> <p>The group and national differences for the CENELEC countries have been checked.</p> <p>National differences for USA and Canada, Singapore have also been checked.</p> <p><input checked="" type="checkbox"/> <b>The product fulfils the requirements of IEC 62368-1:2018 and EN IEC 62368-1:2020 + A11:2020.</b></p>	

**Statement concerning the uncertainty of the measurement systems used for the tests**

(may be required by the product standard or client)

**Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:**

**Procedure number, issue date and title:**

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

**Statement not required by the standard used for type testing**

(Note: When IEC or ISO standard requires a statement concerning the uncertainty of the measurement systems used for tests, this should be reported above. The informative text in parenthesis should be delete in both cases after selecting the applicable option)

**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: For other models, marking plates are the same except for model name.