



Ref. Certif. No.

JPTUV-034309-M2

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product
Produit

LCD Monitor

Name and address of the applicant
Nom et adresse du demandeur

Top Victory Electronics (Taiwan) Co., Ltd.
10F., No. 230, Liancheng Rd.
Zhonghe City, Taipei County 23553 Taiwan

Name and address of the manufacturer
Nom et adresse du fabricant

NEC Display Solutions, Ltd.
4-13-23 Shibaura
Minato-ku, Tokyo, 108-0023 JAPAN

Name and address of the factory
Nom et adresse de l'usine

See additional page(s)

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

DC 19V; 2.1A; Class III

Trade mark (if any)
Marque de fabrique (si elle existe)

NEC

Model/type Ref.
Ref. de type

L230NW

Additional information (if necessary)
Information complémentaire (si nécessaire)

Also evaluated to IEC Guide 112 (multimedia equipment).
Re-issue of JPTUV-034309-M1 dated 07.09.2010,
due to second modification.

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60950-1:2005
National differences see test report

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue une partie de ce Certificat

11021766 003

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification



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Date: 07.10.2010

Signature:

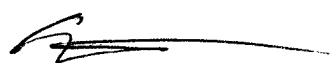
Dipl.-Ing. A. Klinker

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Ave. Rosa Ma. Fuentes #7050
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8. TPV Displays Polska Sp. z o.o.
ul. Zlotego Smoka 9
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9. L&T Display Technology (Fujian) Ltd.
Optoelectronic Park, Rongqiao
Economic and Technological
Development Zone
Fuqing, Fujian 350301, P.R. China

Additional information (if necessary)
Information complémentaire (si nécessaire)

Date: 07.10.2010

Signature:



Dipl.-Ing. A. Klinker



Test Report issued under the responsibility of:



TEST REPORT

IEC 60950-1: 2005 (2nd Edition) and/or EN 60950-1:2006 Information technology equipment – Safety – Part 1: General requirements

Report Reference No.	11021766 003
Date of issue	06-Oct.-2010
Total number of pages	4
CB/CCA Testing Laboratory	TÜV Rheinland Taiwan Ltd., Taichung Laboratory
Address	No. 9, Ln. 36, Sec. 3, Minsheng Rd., Daya Township, Taichung County, 428 Taiwan
Applicant's name	Top Victory Electronics (Taiwan) Co., Ltd.
Address	10F., No. 230, Liancheng Rd., Zhonghe City, Taipei County 23553 Taiwan
Manufacturer's name	NEC Display Solutions, Ltd.
Address	4-13-23 Shibaura, Minato-ku, Tokyo, 108-0023 JAPAN
Factory's name	See following page.
Address	See following page.
Test specification:	
Standard	☒ IEC 60950-1:2005 (2nd Edition) and/or ☒ EN 60950-1:2006 + A11:2009
Test procedure	CB
Non-standard test method	N/A
Test Report Form No.	IECEN60950_1C
Test Report Form(s) Originator	SGS Fimko Ltd
Master TRF	Dated 2007-06
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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.	
If this Test Report Form is used by non-CCA members, the CIG logo and the reference to the CCA Procedure shall be removed.	
This report is not valid as a CCA Test Report unless signed by an approved CCA Testing Laboratory and appended to a CCA Test Certificate issued by an NCB in accordance with CCA	
Test item description	LCD Monitor
Trade Mark	NEC
Manufacturer	Same as above.
Model/Type reference	L230NW
Ratings	19 Vdc, 2.1 A

Testing procedure and testing location:
☒ **CB/CCA Testing Laboratory:** Refer to cover page

Testing location/ address..... : Refer to cover page

☐ **Associated CB Laboratory:**

Testing location/ address..... :

Tested by (name + signature)..... :

Approved by (+ signature)..... :

Picky Chen
Jacky Chen
☐ **Testing procedure: TMP**

Tested by (name + signature)..... :

Approved by (+ signature)..... :

Testing location/ address..... :

☐ **Testing procedure: WMT**

Tested by (name + signature)..... :

Witnessed by (+ signature)..... :

Approved by (+ signature)..... :

Testing location/ address..... :

☐ **Testing procedure: SMT**

Tested by (name + signature)..... :

Approved by (+ signature)..... :

Supervised by (+ signature)..... :

Testing location/ address..... :

☐ **Testing procedure: RMT**

Tested by (name + signature)..... :

Approved by (+ signature)..... :

Supervised by (+ signature)..... :

Testing location/ address..... :

Summary of compliance with National Differences:

Refer to test report No. 11021766 001 to 002.

Test item particulars	
Equipment mobility	☒ movable ☐ hand-held ☐ transportable ☐ stationary ☐ for building-in ☐ direct plug-in
Connection to the mains	☐ pluggable equipment ☐ permanent connection ☐ detachable power supply cord ☐ non-detachable power supply cord ☒ not directly connected to the mains
Operating condition	☒ continuous ☐ rated operating / resting time:
Access location	☒ operator accessible ☐ restricted access location
Over voltage category (OVC)	☐ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV ☒ other: No mains connection
Mains supply tolerance (%) or absolute mains supply values	N/A
Tested for IT power systems	☐ Yes ☒ No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	☐ Class I ☐ Class II ☒ Class III ☐ Not classified
Considered current rating (A)	N/A
Pollution degree (PD)	☐ PD 1 ☒ PD 2 ☐ PD 3
IP protection class	IPX0
Altitude during operation (m)	Up to 3048
Altitude of test laboratory (m)	Up to 2000
Mass of equipment (kg)	4.82 (for unit with base stand type A); 4.27 (for unit with base stand type B); 1.98 (for base stand type A); 1.43 (for base stand type B)
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing	
Date of receipt of test item	N/A
Date(s) of performance of tests	N/A
General remarks:	

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 testing laboratory.

"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Note: This TRF includes EN Group Differences together with National Differences and Special National Conditions, if any. All Differences are located in the Appendix to the main body of this TRF.

Throughout this report a point is used as the decimal separator.

General product information:

Description of change(s):

1. Add base stand type B.

For the above described change(s) the following was considered to be necessary:

Change	Testing	Comments
1.	• N/A	Less than 7 kg, therefore no further stability test consider necessary. See photo documentation for details.

Other comments:

Factory(ies):

Refer to test report No. 11021766 001 to 002.

The manufacturer's declaration, that the samples tested represent the products from each factory, is available.

History of amendments and modifications:

Ref. No. 11021766 001, dated 17-Aug.-2010 (original test report)

Ref. No. 11021766 002, dated 06-Sep.-2010 (modification)

Ref. No. 11021766 003, dated 06-Oct.-2010 (modification)

Attachments to this Test Report:

- Photo Documentation