



Ref. Certif. No.

JPTUV-038092-M3

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

- 1) AC 100-240V; 50/60Hz; 5.1-2.0A; Class I
- 2) AC 100-240V; 50/60Hz; 4.1-1.65A; Class I
- 3) AC 100-240V; 50/60Hz; 4.0-1.7A; Class I
- 4) AC 100-240V; 50/60Hz; 4.6-1.85A; Class I

NEC

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

- 1) L650U9, V651-U1(C), MultiSync V651
- 2) L550UG, X551UN-G1(C), MultiSync X551UN
- 3) L550UC, V551-G1(C), MultiSync V551
- 4) P552, P552(C), MultiSync P552

Model/type Ref.
Ref. de type

For model differences, refer to the test report.
Re-issue of JPTUV-038092-M2 dated 11.08.2011,
due to third modification.

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

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

11024491 004

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



TÜV Rheinland Japan Ltd.
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021 Japan
Phone + 81 45 914-3888
Fax + 81 45 914-3354
Mail: info@jpn.tuv.com
Web: www.tuv.com

Signature:

Dipl.-Ing. F. Stoelzel

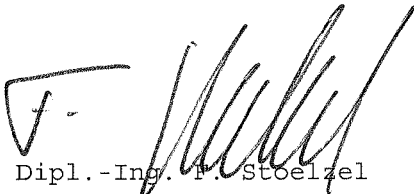
Date: 26.09.2011

1. TPV Technology (Beijing) Co., Ltd.
No. 10, Jiu Xian Qiao Rd.
Chao Yang District, Beijing 100016
P.R. China
2. Tatung Mexico S.A. de C.V.
Ave. Rosa Ma. Fuentes #7050
Complejo Industrial Fuentes
C.P. 32320, Cd. Juarez, Chih,
MEXICO
3. TPV Display Technology (Wuhan)
Co., Ltd.
Unique No. 11, Zhuankou Development
District of Economic Technological
Development Zone, Wuhan City 430056, P.R. China
4. TPV Electronics (Fujian) Co., Ltd.
Yuan Hong Rd., Shang-Zheng Hong-Lu
Fuqing City Fujian 350301
P.R. China
5. Envision Industry of Electronic
Products Ltd.
895, Joao Marcos Pozzetti Street,
Industrial District II,
69.075-215 Manaus, Am, Brazil
6. Tatung Czech s.r.o
U Nove Hospody 4
30100 Plzen
Czech Republic
7. TPV Technology (Suzhou) Co., Ltd.,
Zhujiang Branch
No. 161, Zhujiang Road, Suzhou
New District, Suzhou City, Jiangsu
Province, P.R. China
8. Envision Industry of Electronic
Products Ltd.
Rodovia Anhanguera S/N-KM 49
13.205-700 Tijuco Preto-Jundiai-SP-
Brazil
9. TPV Displays Polska Sp. z o.o.
ul. Zlotego Smoka 9
66-400 Gorzów Wlkp.
Poland

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

Date: 26.09.2011

Signature:

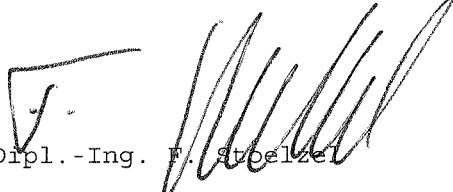

Dipl.-Ing. P. Stoelzel

10. L&T Display Technology (Fujian) Ltd.
Optoelectronic Park, Rongqiao
Economic and Technological
Development Zone
Fuqing, Fujian 350301, P.R. China
11. TPV Display Technology (Beihai)
Co., Ltd.
China Electronic Beihai Industry
Park, Northeast of the Crossing
Between Taiwan Road and Jilin Road, Beihai City, Guangxi, P.R. China
12. Envision Industry of Electronic
Products Ltd
Av. Torquato Tapajós 7503
Galpão : II Bloco: B # Condomínio
de Galpões, Taarumã Manaus, AM, Brazil

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

Date: 26.09.2011

Signature:


Dipl.-Ing. F. Stöelzel



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.	11024491 004
Date of issue	September 22, 2011
Total number of pages	13
CB/CCA Testing Laboratory	TÜV Rheinland Taiwan Ltd., Taichung Laboratory.
Address	No. 9, Ln. 36, Sec. 3, Minsheng Rd., Daya District, Taichung City 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
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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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.	
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	See above.
Model/Type reference	1) L650U9, V651-U1(C) and MultiSync V651 2) L550UG, X551UN-G1(C) and MultiSync X551UN 3) L550UC, V551-G1(C) and MultiSync V551 4) P552, P552(C), MultiSync P552
Ratings	1) 100-240 V ~, 50/60 Hz, 5.1-2.0 A 2) 100-240 V ~, 50/60 Hz, 4.1-1.65 A 3) 100-240 V ~, 50/60 Hz, 4.0-1.7 A 4) 100-240 V ~, 50/60 Hz, 4.6-1.85 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)..... :

P. Kelly Chien
*Sean Usueh**[Signature]*
[Signature]☐ 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 testing:
Tests performed (name of test and test clause):

All applicable tests as described in Test Case were performed.

- The load condition used as below during testing:
Same as report no. 11024491 002.
- The test samples are pre-production without serial numbers.
- Unless special specified, all tests were performed on model P552 as representative.

Testing location:

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

Summary of compliance with National Differences:

EU Group Differences, EU Special National Conditions, EU A-Deviations, CA, CH, DE, DK, ES, FI, GB, IE, KR, NO, SE, US.

Explanation of used codes: CA=Canada, CH=Switzerland, DE=Germany, DK=Denmark, ES=Spain, FI=Finland, GB=United Kingdom, IE=Ireland, KR=Korea, NO=Norway, SE=Sweden, US=United States of America.

For IEC 60950-1:2001 / EN 60950-1:2001+A11:2004

(All CB members countries listed in CB Bulletin No. 112A, dated December 2006)

EU Group Differences, EU Special National Conditions, EU A-Deviations, AR, AT, AU, BE, CA, CH, CN, CZ, DE, DK, FI, FR, GB, GR, HU, IL, IN, IT, KE, KR, MY, NL, NO, PL, SE, SG, SI, SK, US.

AR=Argentina, AT=Austria, AU=Australia, BE=Belgium, CA=Canada, CH=Switzerland, CN=China, CZ=Czech Republic, DE=Germany, DK=Denmark, FI=Finland, FR=France, GB=United Kingdom, GR=Greece, HU=Hungary, IL=Israel, IN=India, IT=Italy, KE=Kenya, KR=Korea, MY=Malaysia, NL=The Netherlands, NO=Norway, PL=Poland, SE=Sweden, SG=Singapore, SI=Slovenia, SK=Slovakia, US=United States of America.

For IEC 60950:1999 (3rd Edition) + Corr. Jan. 2000

EU Group Differences, EU Special National Conditions, EU A-Deviations, AR, AT, AU, BE, BR, CA, CH, CN, CZ, DE, DK, ES, FI, FR, GB, HU, IE, IL, IN, IT, JP, KE, KR, MY, NL, NO, PL, PT, RU, SE, SG, SI, SK, TR, UA, US, ZA.

AR=Argentina, AT=Austria, AU=Australia, BE=Belgium, BR=Brazil, CA=Canada, CH=Switzerland, CN=China, CZ=Czech Republic, DE=Germany, DK=Denmark, ES=Spain, FI=Finland, FR=France, GB=United Kingdom, HU=Hungary, IE=Ireland, IL=Israel, IN=India, IT=Italy, JP=Japan, KE=Kenya, KR=Korea, MY=Malaysia, NL=The Netherlands, NO=Norway, PL=Poland, PT=Portugal, RU=Russian Federation, SE=Sweden, SG=Singapore, SI=Slovenia, SK=Slovakia, TR=Turkey, UA=Ukraine, US=United States of America, ZA=South Africa.

All country difference listed in the CB Bulletin are covered by Common Modifications, Special National Conditions, National Deviations and National Requirements noted follows except for the following countries which are documented in Country Difference.

Additionally, the National Differences for AR, AU, AT, BE, CA, CH, CN, CZ, DE, DK, FI, FR, GB, GR, HU, IL, IN, IT, KE, KR, MY, NL, NO, PL, SE, SG, SI, SK, US have been tested according IEC 60950-1:2001 for customer required. JP has been tested according to IEC 60950:1999 for customer required.

The product has been tested for compliance with requirements of A11:2009 of EN 60950-1:2006.

Copy of marking plate:

(Representative)

NEC
MultiSync P552

VOLTS 定格電圧: 100-240V~, AMPERES 定格電流: 4.6-1.85A (4.6-1.85A)
FREQUENCY 定格周波数: 50/60Hz

CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE THE ENCLOSURE.
NO USER-SERVICEABLE PARTS INSIDE.

ATTENTION: AFIN DE PREVENIR DE TOUT CHOC ELECTRIQUES, NE PAS OUVRIR
CE BOITIER. AUCUNE PIECE INTERNE NE PEUT-ÊTRE CHANGEÉE PAR L'UTILISATEUR.

ACHTUNG: ZUR TRENNUNG VOM NETZ IST DER NETZSTECKER AUS DER
STECKDOSE ZU ZIEHEN. GERÄT NICHT ÖFFNEN. ES SIND KEINE DURCH DEN
BENUTZER AUSWECHSELBAREN TEILE IM GERÄT VORHANDEN.

PRECAUCIÓN: PARA PREVENIR DESCARGA ELÉCTRICA, NO quite EL
RECINTO. NINGUNAS PIEZAS DEL USUARIO SERVICABLE ADENTRO.

VARNING: APPARATEN SKALL ANSLUTAS TILL JORDAT UTTAG.

VAROITUS: LAITE ON LITETTÄVÄ SUOJAMAADOITUSKOSKETTIMILLA
VARUSTETTUUN PISTORASIAAN.

ADVARSEL: APPARATET MÅ TILKOPLES JORDET STIKKONTAKT.

THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE
CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.
CET APPAREIL NUMÉRIQUE DE LA CLASSE B RESPECTE TOUTES LES
EXIGENCES DU RÈGLEMENT SUR LE MATÉRIEL BROUILLER DU CANADA.

For U.S.A. **(Hg)** THE LAMPS IN THIS PRODUCT CONTAIN MERCURY.
PLEASE DISPOSE ACCORDING TO STATE, LOCAL, OR
FEDERAL LAW.

LCD MONITOR
(Model : P552)

CE
N56



For Japan only



警告



高圧注意
サービスマン以外の方は分解しない
でください。内部には高電圧部分が
あり、万一さわると危険です。

感電注意
電源コードのアースリード線は必ず
接地ください。故障のときに感電の
原因になります。




X X X X X X - X X



BZ02



E135689
US LT.E.
1K81




HDMI


MADE IN CHINA

NECディスプレイソリューションズ株式会社
NEC Display Solutions, Ltd.
4-13-23 SHIBAURA, MINATO-KU, TOKYO, 108-0023, JAPAN

Note: The above label is a draft of an artwork for marking plate pending approval by National Certification Bodies and it shall not be affixed to products prior to such an approval.

Copy of marking plate:

NEC
MultiSync P552

VOLTS 定格電圧 輸入電圧 輸入電壓:100-240V~,
AMPERES 定格電流 電流 電流:4.6-1.85A (4,6-1,85A)
FREQUENCY 定格周波数 工作頻率 工作頻率:50/60Hz

CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE THE ENCLOSURE.
NO USER-SERVICEABLE PARTS INSIDE.

ATTENTION: AFIN DE PREVENIR DE TOUT CHOC ELECTRIQUES, NE PAS OUVRIR
CE BOITIER. AUCUNE PIECE INTERNE NE PEUT-ÊTRE CHANGEÉ PAR L'UTILISATEUR.

ACHTUNG: ZUR TRENNUNG VOM NETZ IST DER NETZSTECKER AUS DER
STECKDOSE ZU ZIEHEN. GERÄT NICHT ÖFFNEN. ES SIND KEINE DURCH DEN
BENUTZER AUSWECHSELBAREN TEILE IM GERÄT VORHANDEN.

PRECAUCIÓN: PARA PREVENIR DESCARGA ELÉCTRICA, NO quite EL
RECINTO. NINGUNAS PIEZAS DEL USUARIO SERVICABLE ADENTRO.

VARNING: APPARATEN SKALL ANSLUTAS TILL JORDAT UTGÅG.

VAROITUS: LAITE ON LIITETTÄVÄ SUOJAMAADOITUSKOSKETTIMILLA
VARUSTETTUUN PISTORASIAAN.

ADVARSEL: APPARATET MÅ TILKOPLES JORDET STIKKONTAKT.

注意: 請勿打開後蓋, 小心高壓電擊。機內並無用戶配件。
注意: 請勿打開後蓋, 小心高壓電擊。機內並無用戶配件。

THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE
CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.
CET APPAREIL NUMÉRIQUE DE LA CLASSE B RESPECTE TOUTES LES
EXIGENCES DU RÈGLEMENT SUR LE MATÉRIEL BROUILLER DU CANADA.

LCD MONITOR
彩色顯示器 54.6英寸液晶显示器
(Model/型号/型號:P552)

For Japan only

警告

高圧注意
サービスマン以外の方は分解しないでください。内部には高電圧部分があり、万一さわると危険です。

感電注意
電源コードのアースリード線は必ず接地ください。故障のときに感電の原因になります。

HDMI

NECディスプレイソリューションズ株式会社
NEC Display Solutions, Ltd.
4-13-23 SHIBAURA, MINATO-KU, TOKYO, 108-0023, JAPAN

MADE IN CHINA 中国制造 中國製造
生產廠: 福建捷聯電子有限公司
生產廠: 福建捷聯電子有限公司
生產地址: 福建省福清市元洪路上郊

Note: The above label is a draft of an artwork for marking plate pending approval by National Certification Bodies and it shall not be affixed to products prior to such an approval.

Copy of marking plate:



Note: The above label is a draft of an artwork for marking plate pending approval by National Certification Bodies and it shall not be affixed to products prior to such an approval.

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:
Mains supply tolerance (%) or absolute mains supply values	$\pm 10\%$
Tested for IT power systems	☒ Yes ☐ No
IT testing, phase-phase voltage (V)	230 V for Norway
Class of equipment	☒ Class I ☐ Class II ☐ Class III ☐ Not classified
Considered current rating (A)	16 or 20 (North America)
Pollution degree (PD)	☐ PD 1 ☒ PD 2 ☐ PD 3
IP protection class	IPX0
Altitude during operation (m)	Up to 3000
Altitude of test laboratory (m)	Less than 2000
Mass of equipment (kg)	1) 54.8 (unit with base stand) ; 2.64 (base stand) for models L650U9, V651-U1(C) and MultiSync V651. 2) 37.7 (unit with base stand) ; 2.2 (base stand) for models L550UG, X551UN-G1(C) and MultiSync X551UN. 3) 45.7 (unit with base stand) ; 2.3 (base stand) for models L550UC, V551-G1(C), MultiSync V551. 4) 42.5 (unit with base stand) ; 2.3 (base stand) for models P552, P552(C) and MultiSync P552.
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	September, 2011
Date(s) of performance of tests	September, 2011
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 new models as P552, P552(C), MultiSync P552 (trademark of NEC), which are similar to previous model L550UC except for the following different:
 - a. Source of approved LCD Panel module (DC/AC inverter construction)
 - b. Model designation.
 - c. Input current rating.
 - d. Plastic bezel construction type B.
 - e. Metal enclosure type C.
 - f. Location of handle function.
2. Add two new factories.

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

Change	Testing	Comments
1.	• Input test • Handle loading test • Heating test • Openings measurement • Electric strength tests • Blocked ventilation openings test	All new models are identical to each other except model designation. See cover page with bold letter, copy of marking plates and sub-clause 1.7.1 for details. The plastic bezel construction type B / Metal enclosure type C is similar to previous construction (refer to 11024491 003), except for changed shape, details see openings measurement and photos as illustrated. However the result of input test and heating test were higher than previous results (refer to 11024491 003), but the result of blocked ventilation openings was below than limitation, hence further overload test was skipped. For test results see related appended tables and sources see appended table 1.5.1 for details.
2.	• N/A	No safety impact, the details see factories list with bold type.

Other comments:

Factories:

1. TPV Electronics (Fujian) Co., Ltd.
Yuan Hong Rd., Shang-Zheng Hong-Lu, Fuqing City Fujian 350301, P.R. China
2. TPV Technology (Beijing) Co., Ltd.
No. 10, Jiu Xian Qiao Rd., Chao Yang District, Beijing 100016, P.R. China
3. TPV Display Technology (Wuhan) Co., Ltd.
Unique No. 11, Zhuankou Development, District of Economic Technological Development Zone, Wuhan City 430056, P.R. China
4. TPV Technology (Suzhou) Co., Ltd., Zhujiang Branch

- No. 161, Zhujiang Road, Suzhou New District, Suzhou City, Jiangsu Province, P.R. China
5. L&T Display Technology (Fujian) Ltd
Optoelectronic Park, Rongqiao, Economic and Technological, Development Zone, Fuqing, Fujian 350301, P.R. China
 6. Envision Industry of Electronic Products Ltd.
Rodovia Anhanguera S/N-KM 49, 13.205-700 Tijuco Preto-Jundiaí-SP-Brazil
 7. Envision Industry of Electronic Products Ltd.
895, Joao Marcos Pozzetti Street, Industrial District II, 69.075-215 Manaus, Am, Brazil
 8. TPV Displays Polska Sp. z o.o.
ul. Zlotego Smoka 9, 66-400 Gorzów Wlkp., Poland
 9. Tatung Czech s.r.o
U Nove Hospody 4, 30100 Plzen, Czech Republic
 10. Tatung Mexico S.A. de. C.V.
Ave. Rosa Ma. Fuentes #7050, Complejo Industrial Fuentes, C.P. 32320, Cd. Juarez. Chih, MEXICO
 - 11. TPV Display Technology (Beihai) Co., Ltd.**
China Electronic Beihai Industry Park, Northeast of the Crossing Between Taiwan Road and Jilin Road, Beihai City, Guangxi, P.R. China.
 - 12. Envision Industry of Electronic Products Ltd.**
Av Torquato Tapajós 7503, Galpão : II Bloco: B # Condomínio de Galpões, Taarumã Manaus, AM Brazil

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

History of amendments and modifications:

- Ref. No. 11024491 001, dated April 7, 2011 (original test report)
Ref. No. 11024491 002, dated April 19, 2011 (modification)
Ref. No. 11024491 003, dated August 09, 2011 (modification)
Ref. No. 11024491 004, dated September 22, 2011 (modification)

Attachments to this Test Report:

- Photo Documentation

IEC/EN 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict
1.7.1	Power rating	The power rating marking is provided and is readily visible in operator access area.	P
	Rated voltage(s) or voltage range(s) (V)	See the copy of marking plate.	P
	Symbol for nature of supply, for d.c. only	Mains from AC source.	N/A
	Rated frequency or rated frequency range (Hz)	See the copy of marking plate.	P
	Rated current (mA or A)	See the copy of marking plate.	P
	Manufacturer's name or trade-mark or identification mark	See the copy of marking plate.	P
	Model identification or type reference	See the copy of marking plate.	P
	Symbol for Class II equipment only	The equipment is Class I equipment.	N/A
	Other markings and symbols	Other markings and symbols do not give rise to misunderstanding.	P
4.3.2	Handles and manual controls; force (N).....	50 N. Following test for customer's request. Four handles provided, add additional force 1666 N (3 times the mass of the unit without base). No loosen and no hazards results.	P

IEC/EN 60950-1					
Clause	Requirement + Test			Result - Remark	Verdict
1.5.1	TABLE: List of critical components				P
Object/part no.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity ^{1.}
LCD Monitor (for models P552, P552(C), MultiSync P552):					
LCD Panel Module	Samsung	LTx550rz	55" LCD Panel, I/p: 24 Vdc, 14.0 A (DC/AC inverter board) ; 12 Vdc (Control board)	IEC 60950-1: 2005	CB by TÜV SÜD (report no. 077-211800- 100)
- DC/AC Inverter board	Samsung	SSI550-18B01 REV0.4	24 Vdc	IEC 60950-1: 2005	CB by TÜV SÜD (report no. 077-211800- 100)
Supplementary information:					
1. An asterisk indicates a mark that assures the agreed level of surveillance.					
2. Definition of model LTx550rz: x may be from A to Z, denoting for final application type; 550 may denotes for panel size; r may be from A to Z, denoting for pixel number of TFT LCD product; z denotes the minor difference of interface method, revision number or customer spec with/without hyphen and may comprise 0 to 9 or A to Z and it can be made up by a maximum length of four alphanumeric characters.					

1.6.2	TABLE: Electrical data (in normal conditions)						P
U (V) / F (Hz)	I (A)	Irated (A)	P (W)	Fuse #	Ifuse (A)	Condition/status	
For VGA mode:							
90 / 50	4.81	--	436	F901	4.81	Maximum normal load	
90 / 60	4.82	--	436	F901	4.82	Maximum normal load	
100 / 50	4.31	4.0	431	F901	4.31	Maximum normal load	
100 / 60	4.31	4.0	431	F901	4.31	Maximum normal load	
240 / 50	1.77	1.7	410	F901	1.77	Maximum normal load	
240 / 60	1.78	1.7	410	F901	1.78	Maximum normal load	
264 / 50	1.63	--	409	F901	1.63	Maximum normal load	
264 / 60	1.64	--	409	F901	1.64	Maximum normal load	
Supplementary information:							
1. The measured input current at rated voltage shall be ≤ 110 % of rated current.							
2. See summary of testing in the test report for the detail max. normal condition.							

4.5	TABLE: Thermal requirements			P
	Supply voltage (V) : 90 V / 60 Hz (Horizontal)			—

IEC/EN 60950-1									
Clause	Requirement + Test				Result - Remark		Verdict		
	Ambient T _{min} (°C) :				--		—		
	Ambient T _{max} (°C) :				--		—		
Maximum measured temperature T of part/at::					T (°C)		Allowed T _{max} (°C)		
Test condition (under VGA mode)					--		--		
CN901 body					53.0		60		
T9102 coil					93.2		110		
T9101 coil					91.2		110		
T104 coil (DC/AC inverter board)					106.7		130		
T102 coil (DC/AC inverter board)					84.4		130		
Ambient (actual 24.6 °C)					40.0		--		
Supplementary information:									
1. The temperatures were measured under the worst case of normal mode defined in sub-clause 1.2.2.1 and as described in sub-clause 1.6.2 at voltages as described above.									
2. With a specified ambient temperature of + 40 °C. Therefore the maximum temperatures measured are recalculated as follows: T + (40 – T _{amb}), where T is the maximum temperature measured during test and Tamb is the ambient temperature during the test.									
3. The maximum temperatures are calculated as follows:									
Winding components (with safety isolation):									
- Class B T _{max} = 120 °C – 10 °C = 110 °C									
Temperature T of winding:			t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
--			--	--	--	--	--	--	--
Supplementary information:									

4.6.1 and 4.6.2	Table: Enclosure opening measurements		P
Location	Size (mm)	Comments	
Metal enclosure (for models P552, P552(C), MultiSync P552)			
Horizontal position			
Top	Max. Ø 4.8 Min. Ø 1.8	Numerous circular openings. There's no any hazardous voltage or energy hazards present within 5° projections.	
Vertical position			
Left	Max. Ø 4.8 Min. Ø 1.8	Numerous circular openings. There's no any hazardous voltage or energy hazards present within 5° projections.	

IEC/EN 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

Only record the different with report no. 11024491 003.

5.2	TABLE: Electric strength tests, impulse tests and voltage surge tests			P
Test voltage applied between:		Voltage shape (AC, DC, impulse, surge)	Test voltage (V)	Breakdown Yes / No
Basic / supplementary:				
Unit: primary and earth		DC	2498	No
Reinforced:				
Unit: primary and secondary / plastic enclosure with metal foil		DC	4242	No
Supplementary information:				

5.3	TABLE: Fault condition tests					P
	Ambient temperature (°C)				See below.	—
	Power source for EUT: Manufacturer, model/type, output rating				See appended table 1.5.1 of report no. 11024491 001.	—
Component No.	Fault	Supply voltage (V)	Test time	Fuse #	Fuse current (A)	Observation
All ventilation openings	blocked	240	2.7 hrs	F901	1.78	Maximum temperature: T9102 Coil: 86.8 °C, T9101 Coil: 87.4 °C, ambient: 27.2 °C. Unit normal working under thermal equilibrium was reached. No hazards.
Supplementary information:						
1. Maximum temperatures limitation of safety isolation transformers based on a test temperature of 40 °C:						
Class B		$T_{max} = 175\text{ °C} - (40 - 25)\text{ °C} = 160\text{ °C}$				