

Test Report On The Safety Of Electrical Equipment

For

Sharp NEC Display Solutions Europe GmbH

On

Multi Touch Display,

Model: M751 IGB & M861 IGB

Report No. TRA-060945-43-03A

19 December 2023

EMT form STRF62368-3C 4.0





Test Report issued under the responsibility of:



TEST REPORT

IEC 62368-3

Audio/video, information and communication technology equipment Part 3: Safety aspects for DC power transfer through communication cables and ports

Report Number : TRA-060945-43-03A

Date of issue : 2023-12-18

Total number of pages : 7

Name of Testing Laboratory : Element Materials Technology (Hull)
preparing the Report : Unit E, South Orbital Trading Park, Hedon Road, Hull, HU9 1NJ,
United Kingdom

Applicant's name : Sharp NEC Display Solutions Europe GmbH

Address..... : Landshuter Alee 12-14, 80637 Munich, Germany

Test specification:

Standard : IEC 62368-3:2017
for use in conjunction with IEC 62368-1:2018

Test procedure : CB Scheme

Non-standard test method : N/A

Test Report Form No. : IEC62368_3C (EMT form STRF62368-3C)

Test Report Form(s) Originator.. : TÜV Rheinland Japan Ltd.

Master TRF : Dated 2021-01-19

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This Test Report Form is intended for the investigation of safety in accordance with IEC 62368-3. It can only be used together with the IEC 62368-1 requirements.

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.

Test Item description	Multi Touch Display	
Trade Mark	NEC	
Manufacturer(s).....	Sharp NEC Display Solutions Europe GmbH Landshuter Alee 12-14, 80637 Munich, Germany	
Model/Type reference	M751 IGB (MultiSync M751 IGB) M861 IGB (MultiSync M751 IGB)	
Ratings	100-240 Vac, 50/60 Hz, 4.9-2.0 A (for model M751 IGB) 100-240 Vac, 50/60 Hz, 6.6-2.6 A (for model M861 IGB)	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
☒	CB Testing Laboratory:	Element Materials Technology (Hull)
Testing location/ address		Unit E, South Orbital Trading Park, Hedon Road, Hull, HU9 1NJ, United Kingdom
Tested by (name, function, signature)		J Stepto Senior Safety Test Engineer – Safety Division 
Approved by (name, function, signature) ..		P. Harrison Department Manager – Safety Division 
☐	Testing procedure: CTF Stage 1:	-
Testing location/ address		-
Tested by (name, function, signature)		-
Approved by (name, function, signature) ..		-
☐	Testing procedure: CTF Stage 2:	-
Testing location/ address		-
Tested by (name + signature).....		-
Witnessed by (name, function, signature) . :		-
Approved by (name, function, signature) .. :		-
☐	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) .. :		-

List of Attachments (including total number of pages in each attachment):

Attachment	Description	Pages
Administrative Update only		

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

Administrative update only

Testing location:

Element Materials Technology (Hull)
Unit E, South Orbital Trading Park
Hedon Road,
Hull
HU9 1NJ
United Kingdom

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

No change to National Deviations, see original reports shown in Report History table in General product information section.

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

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

SF-OP 002 Measurement Uncertainty Version 12.0 2023-09-22

The decision rule for compliance is not inherent within the specification. As requested by the customer, all tests reported in this document are required to have a statement of conformity. Measurement uncertainty has been accounted for in determining compliance according to the simple acceptance rule of IEC Guide 115:2023 clause 4.3. Where a measurement falls within the limits of uncertainty (WLU), the results section will identify the specific measurement with the abbreviation 'WLU' and will include the laboratory's Uncertainty Budget for the measurement in question.

☐ **Statement not required by the standard used for type 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.



Manufacturers label: M861 IGB

Copy of marking plate (contd.):



Manufacturers label: M751 IGB

Test item particulars.....	: See referred IEC 62368-1 test report.
Supply Connection.....	: ☒ AC Mains ☐ DC Mains ☐ Battery ☐ External Circuit - not Mains connected - ☐ ES1 ☐ ES2 ☐ ES3
Class of equipment	: ☒ Class I ☐ Class II ☐ Class III
Equipment type	: ☒ PSE power sourcing equipment ☐ PD powered device ☐ connected to ICT network ☐ RFT circuit (remote feeding telecom circuit)

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..... : Administrative update	
Date (s) of performance of tests..... : Administrative update	
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a ☐ comma / ☒ point is used as the decimal separator. CB Certificate Numbers.: GB-EMT 2290/A1 M751 IGB (NEC MultiSync M751 IGB) GB-EMT 2298/A1 M861 IGB (NEC MultiSync M861 IGB) Element Certification Reference: TRA-060945-03 (GU-UTPQ-0020)	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 62368-1:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	☐ Yes ☒ Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies)	U-Touch Poland Sp. z o.o. Kroczyrnice 60B, 32-500 Chrzanow, Poland

General product information and other remarks:

This assessment was an A1 amendment to Element CB Certificate No. GB-EMT 2290 and GB-EMT 2298.

This report covered an administrative update to Element Report No. TRA-060945-43-01A to cover the change below:

- Change of manufacturers details to:
Sharp NEC Display Solutions Europe GmbH, Landshuter Alee 12-14, 80637 Munich, Germany

All other results and general product information remain as per the original assessment. This CB Report should be read in conjunction with the previous CB Report as referenced above.

Report History:

Report No.:	Report date:	CB Cert:	Reason for issue:
TRA-060945-43-01A	2023-07-14	GB EMT 2290 and GB EMT 2298	Original Report
TRA-060945-43-03A	This report	GB EMT 2290/A1 and GB EMT 2298/A1	Administrative A1 to change the manufacturers details