

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-060945-43-02A

19 December 2023

EMT form STRF62368-1E 8.0



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..... :	TRA-060945-43-02A
Date of issue	2023-12-19
Total number of pages	8
Name of Testing Laboratory preparing the Report	Element Materials Technology (Hull) 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 62368-1:2018
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
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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.	
General disclaimer:	
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Test item description	Multi Touch Display	
Trade Mark(s)	NEC	
Manufacturer	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 procedure: CTF Stage 1:	-	
Testing location/ address	-	
Tested by (name, function, signature)	-	
Approved by (name, function, signature) ..	-	
Testing procedure: CTF Stage 2:		
☐ Testing procedure: CTF Stage 2:	-	
Testing location/ address	-	
Tested by (name, function, signature)	-	
Witnessed by (name, function, signature) . :	-	
Approved by (name, function, signature) ..	-	
Testing procedure: CTF Stage 3:		
☐ Testing procedure: CTF Stage 3:	-	
Testing procedure: CTF Stage 4:		
☐ 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 a 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.

M861 IGB



Copy of marking plate (contd.):

M751 IGB



Test item particulars:			
Product group	☒ end product	☐ built-in component	
Classification of use by	☒ Ordinary person	☒ Children likely present	
	☐ Instructed person		
	☐ Skilled person		
Supply connection	☒ AC mains	☐ DC mains	
	☐ not mains connected:		
	☐ ES1	☐ ES2	☐ ES3
Supply tolerance	☒ +10%/-10%		
	☐ +20%/-15%		
	☐ + %/ - %		
	☐ None		
Supply connection – type	☒ pluggable equipment type A -		
	☐ non-detachable supply cord		
	☒ appliance coupler		
	☐ direct plug-in		
	☐ pluggable equipment type B -		
	☐ non-detachable supply cord		
	☐ appliance coupler		
	☐ permanent connection		
	☐ mating connector	☐ other:	
Considered current rating of protective device	☒ 20 A		
	Location:	☒ building	☐ equipment
	☐ N/A		
Equipment mobility	☒ movable	☐ hand-held	☐ transportable
	☐ direct plug-in	☒ stationary	☐ for building-in
	☒ wall/ceiling-mounted	☐ SRME/rack-mounted	
	☐ other:		
Overvoltage category (OVC)	☐ OVC I	☒ OVC II	☐ OVC III
	☐ OVC IV	☐ other:	
Class of equipment	☒ Class I	☐ Class II	☐ Class III
	☐ Not classified	☐	
Special installation location	☒ N/A	☐ restricted access area	
	☐ outdoor location	☐	
Pollution degree (PD)	☐ PD 1	☒ PD 2	☐ PD 3
Manufacturer's specified T_{ma}	40 °C	☐ Outdoor: minimum	°C
IP protection class	☒ IPX0	☐ IP__	
Power systems	☒ TN	☐ TT	☐ IT - V _{L-L}
	☐ not AC mains		
Altitude during operation (m)	☒ 2000 m or less	☐	m
Altitude of test laboratory (m)	☒ 2000 m or less	☐	m
Mass of equipment (kg)	M751 IGB: 62 kg		
	M861 IGB: 76 kg		
Overall size of equipment – W x D x H (mm) :	M751 IGB: 1682.3 x 96.1 x 83.2 mm		
	M861 IGB: 1927.6 x 1099.1 x 83.2 mm		

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 IEC60945-03:	
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-060945-43-00A 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-060945-43-00A	2023-07-14	GB EMT 2290 and GB EMT 2298	Original Report
TRA-060945-43-02A	This report	GB EMT 2290/A1 and GB EMT 2298/A1	Administrative A1 to change the manufacturers details.