LVD

Test Report

For

SHENZHEN YONGSHIXIN ELECTRONIC CO., LTD

2th Floor, 6th Building, Wandi Industrial Park, Tianqian Road, Fucheng Street, Shenzhen, China

Prepared by

Shenzhen Beidor Testing Technology Co., Ltd.

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TEST RESULT CERTIFICATION

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

Compiled by (+ signature) ...:

Approved by (+ signature) ...:

Applicant's name.....: SHENZHEN YONGSHIXIN ELECTRONIC CO., LTD

Address .....: 2th Floor, 6th Building, Wandi Industrial Park, Tianqian Road, Fucheng Street, Shenzhen, China

Manufacturer's Name .....: SHENZHEN YONGSHIXIN ELECTRONIC CO., LTD

Address .....: 2th Floor, 6th Building, Wandi Industrial Park, Tianqian Road, Fucheng Street, Shenzhen, China

Product description

Product name .....: LCD Monitor

Trade Mark.....: ZAXTEAM

Model and/or type reference ...: ZAX-49PJ035P-LED/T (Additional models See the page of 3)

Test specification:

Standards.....: EN 62368-1: 2014+A11:2017

Date of Test.....:

Date (s) of performance of tests .....: Nov. 07, 2020 ~ Nov. 16, 2020

Date of Issue .....: Nov. 17, 2020

Test Result .....: **Pass**

Series Models:
ZAX-55PJ036P-LED/T, ZAX-55PJ036G-LED/T, ZAX-55PJ018P-LED/T, ZAX-55PJ018G-LED/T, ZAX-55PJ0088P-LED, ZAX-46PJ035P-LED/B, ZAX-46PJ017P-LED/B, ZAX-49PJ035P-LED/B, ZAX-55PJ035P-LED/B, ZAX-55PJ017P-LED/B, ZAX-55PJ088P-LED/B, ZAX-65PJ035P-LED/4K/B, ZAX-65PJ035G-LED/B, ZAX-43PJ080P-LED, ZAX-46PJ035P-LED/QZ, ZAX-49PJ080P-LED/4K, ZAX-55PJ080P-LED/4K, ZAX-65PJ080P-LED/4K, ZAX-YJ22LED-C, ZAX-YJ27LED, ZAX-YJ49LED/4K/QM, ZAX-YJ49LED/4K/QM-G, ZAX-YJ55LED/4K/QM, ZAX-YJ55LED/4K/QM-G, ZAX-YJ32LED/4K/SA, ZAX-YJ43LED/4K/SA, ZAX-YJ43LED/4K/ST, ZAX-YJ49LED/4K/SA, ZAX-YJ49LED/4K/ST, ZAX-YJ55LED/4K/RT, ZAX-YJ65LED/4K/RT, ZAX-YJ75LED/4K/RT, ZAX-YJ86LED/4K/RT, ZAX-YJ98LED/4K/RT, ZAX-YJ100LED/4K/RT, ZAX-YJ110LED/4K/RT, ZAX-YJdi, ZAX-PJfe, ZAX-PJee, ZAX-YJdc, ZAX-YJgj, ZAX-YJee, ZAX-PJdf, ZAX-YJfe, ZAX-YJge, ZAX-YJbb, ZAX-YJih, ZAX-PJdc, ZAX-YJajj, ZAX-PJcc, ZAX-YJcb, ZAX-PJbb, ZAX-YJhf, ZAX-YJbg, ZAX-PJdi, ZAX-PJgj

GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	LCD Monitor
Model No.:	ZAX-49PJ035P-LED/T
Adding Model(s):	ZAX-55PJ036P-LED/T,ZAX-55PJ036G-LED/T, ZAX-55PJ018P-LED/T, ZAX-55PJ018G-LED/T,ZAX-55PJ0088P-LED, ZAX-46PJ035P-LED/B, ZAX-46PJ017P-LED/B,ZAX-49PJ035P-LED/B, ZAX-55PJ035P-LED/B, ZAX-55PJ017P-LED/B,ZAX-55PJ088P-LED/B, ZAX-65PJ035P-LED/4K/B, ZAX-65PJ035G-LED/B,ZAX-43PJ080P-LED, ZAX-46PJ035P-LED/QZ, ZAX-49PJ080P-LED/4K,ZAX-55PJ080P-LED/4K, ZAX-65PJ080P-LED/4K, ZAX-YJ22LED-C, ZAX-YJ27LED, ZAX-YJ49LED/4K/QM, ZAX-YJ49LED/4K/QM-G,ZAX-YJ55LED/4K/QM, ZAX-YJ55LED/4K/QM-G, ZAX-YJ32LED/4K/SA,ZAX-YJ43LED/4K/SA, ZAX-YJ43LED/4K/ST, ZAX-YJ49LED/4K/SA,ZAX-YJ49LED/4K/ST, ZAX-YJ55LED/4K/RT, ZAX-YJ65LED/4K/RT,ZAX-YJ75LED/4K/RT, ZAX-YJ86LED/4K/RT, ZAX-YJ98LED/4K/RT,ZAX-YJ100LED/4K/RT, ZAX-YJ110LED/4K/RT ZAX-YJdi,ZAX-PJfe,ZAX-PJee,ZAX-YJdc,ZAX-YJgj, ZAX-YJee, ZAX-PJdf, ZAX-YJfe, ZAX-YJge, ZAX-YJbb, ZAX-YJih, ZAX-PJdc, ZAX-YJajj, ZAX-PJcc, ZAX-YJcb, ZAX-PJbb, ZAX-YJhf, ZAX-YJbg, ZAX-PJdi, ZAX-PJgj
Note: All models are the same, except the appearance and model name.	

Technical Characteristics of EUT	
Rated Voltage:	Input: 100~240VAC 50/60Hz
Rated Current:	3A
Rated Power:	36W
Power Adaptor Model:	/

Test item particulars:	
Equipment mobility ..... :	☐ movable ☐ hand-held ☐ stationary ☒ fixed ☐ transportable
Connection to the mains ..... :	☐ pluggable equipment ☒ direct plug-in ☐ permanent connection ☐ for building-in ☐ not directly connected to the mains
Operating condition ..... :	☒ continuous ☐ short-time ☐ intermittent
Over voltage category ..... :	☒ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV
Mains supply tolerance (%) ..... :	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
Mass of equipment (kg) ..... :	5750g
Considered current rating of protective device as part of the building installation (A) (IEC/EN 60950-1/A1) ..... :	N/A
Pollution degree ..... :	☒ PD 2 ☐ PD 3
IP protection class ..... :	IP20

Measuring instrument	**Inv. No.**	**Date**
(See appendix 1)	(See appendix 1)	(See appendix 1)

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)
General remarks:	

The test results presented in this report relate only to the object tested.
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"(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.

General product information:

The Max. ambient temperature is 25°C. for no declaration from manufacture.

Instructions and equipment marking related to safety is applied in the language that is acceptable in the country in which the equipment is to be sold.

Copy of marking plate:

LCD Monitor
Models No. : ZAX-49PJ035P-LED/T

Manufacturer: SHENZHEN YONGSHIXIN ELECTRONIC CO., LTD

Address: 2th Floor, 6th Building, Wandi Industrial Park, Tianqian Road, Fucheng Street, Shenzhen, China

Importer: XXX

Address: yyy

Note: The height of the letters is not less than 2mm, the height of the WEEE logo is not less than 7mm, height of CE mark at least 5mm, height of other marks at least 5mm.

The product has been tested according to standard IEC 62368-1:2014 2nd edition / EN 62368-1:2014+A11:2017 and those deviations taken into account of

☒ CENELEC common modifications		☐ United Kingdom	☐	☐
☐ Finland	☐ Denmark	☐ Ireland	☐	☐
☐ Sweden	☐ Germany	☐ Spain	☐	☐
☐ Norway	☐ Switzerland	☐	☐	☐

These tests fulfil the requirements of standard EN ISO/IEC 17025.

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
4	**GENERAL REQUIREMENTS**		P
4.1.1	Acceptance of materials, components and subassemblies (IEC 60065, 3.4) & (IEC 60950-1, 1.5.1)		P
4.1.2	Use of components (IEC 60065, 3.4, 14.1) & (IEC 60950-1, 1.5.2)	Components that are certified to IEC and /or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment.	P
4.1.3	Equipment design and construction (IEC 60065, 3.1) & (IEC 60950-1, 1.3.2)		P
4.1.15	Markings and instructions.....: (IEC 60065, 5.1) & (IEC 60950-1, 1.7)	(See Annex F)	P
4.4.4	Safeguard robustness		P
4.4.4.2	Steady force tests.....: (IEC 60065, 9.1.1.7 c), 13.3.1) & (IEC 60950-1, 4.2.4)	(See Annex T.4, T.5)	P
4.4.4.3	Drop tests .....: (IEC 60065, 12.1.5) & (IEC 60950-1, 4.2.6)	(See Annex T.7)	N
4.4.4.4	Impact tests .....: (IEC 60065, 12.1.4) & (IEC 60950-1, 4.2.5)	(See Annex T.6)	P
4.4.4.5	Internal accessible safeguard enclosure and barrier tests.....: (IEC 60950-1, 4.2.3)	(See Annex T.3)	N
4.4.4.6	Glass Impact tests.....: (IEC 60065, 19.6) & (IEC 60950-1, 4.2.5)	(See Annex T.9, Annex U)	N
4.4.4.7	Thermoplastic material tests .....: (IEC 60065, 12.1.6) & (IEC 60950-1, 4.2.7)	(See Annex T.8)	P

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
4.4.4.8	Air comprising a safeguard.....: (IEC 60065, 9.1.7) & (IEC 60950-1, 4.2)	(See Annex T)	N
4.4.4.9	Accessibility and safeguard effectiveness (IEC 60065, 9.1.7) & (IEC 60950-1, 4.2.1)		P
4.5	Explosion	No explosion occur	N
4.6	Fixing of conductors (IEC 60065, 8.14) & (IEC 60950-1, 3.1.9)		N
4.6.1	Fix conductors not to defeat a safeguard (IEC 60065, 8.14) & (IEC 60950-1, 3.1.9)		N
4.6.2	10 N force test applied to .....: (IEC 60065, 8.14) & (IEC 60950-1, 3.1.9)		—
4.7	Equipment for direct insertion into mains socket – outlets (IEC 60065, 15.4) & (IEC 60950-1, 4.3.6)		N
4.7.2	Mains plug part complies with the relevant standard.....: (IEC 60065, 15.4.2) & (IEC 60950-1, 4.3.6)		—
4.7.3	Torque (Nm) .....: (IEC 60065, 15.4.1) & (IEC 60950-1, 4.3.6)		—
4.8	Products containing coin/button cell batteries (IEC 60065, 12.7)	No battery used	N
4.8.2	Instructional safeguard (IEC 60065, 5.4 c), 5.5.2 j))		N
4.8.3	Battery Compartment Construction (IEC 60065, 12.7.2)		N
	Means to reduce the possibility of children removing the battery.....:		N
4.8.4	Battery Compartment Mechanical Tests.....: (IEC 60065, 12.7.3)	(See Table 4.8.4)	N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
4.8.5	Battery Accessibility (IEC 60065, 12.7.4)		N
4.9	Likelihood of fire or shock due to entry of conductive object..... : (IEC 60065, 9.1.3, 20.3.2) & (IEC 60950-1, 4.6.1)	(See Annex P)	N
5	**ELECTRICALLY-CAUSED INJURY**		N
5.2.1	Electrical energy source classifications ..... :		N
5.2.2	ES1, ES2 and ES3 limits		N
5.2.2.2	Steady-state voltage and current..... : (IEC 60065, 9.1.1.2) & (IEC 60950-1, 2.2, 2.3, 2.4)	See appended table 5.2)	N
5.2.2.3	Capacitance limits..... : (IEC 60065, 9.1.1.2) & (IEC 60950-1, 2.4)	(See appended table 5.2)	N
5.2.2.4	Single pulse limits ..... : (IEC 60950-1, 2.2)	(See appended table 5.2)	N
5.2.2.5	Limits for repetitive pulses ..... : (IEC 60950-1, 2.2)	(See appended table 5.2)	N
5.2.2.6	Ringing signals ..... : (IEC 60950-1, 2.3, Annex M)	(See Annex H)	N
5.2.2.7	Audio signals ..... : (IEC 60065, 9.1.1.2) & (IEC 60950-1, 2.1.1.9)	(See Clause E.1)	N
5.3	Protection against electrical energy sources (IEC 60065, 9.1.1) & (IEC 60950-1, 2.1)		N
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons (IEC 60065, 9.1.1) & (IEC 60950-1, 2.1)		N
5.3.2.1	Accessibility to electrical energy sources and safeguards (IEC 60065, 9.1.1.3, 9.1.2, 9.1.3, 9.1.4, 9.1.5) & (IEC 60950-1, 2.1.1.1)		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
5.3.2.2	Contact requirements (IEC 60065, 9.1.1.1) & (IEC 60950-1, 2.1.1.1)		N
	a) Test with test probe from Annex V ..... :		—
	b) Electric strength test potential (V) ..... :		—
	c) Air gap (mm) ..... :		—
5.3.2.4	Terminals for connecting stripped wire (IEC 60065, 9.1.1.4)		N
5.4	Insulation materials and requirements		N
5.4.1.2	Properties of insulating material (IEC 60065, 8.3) & (IEC 60950-1, 2.9.1)		N
5.4.1.3	Humidity conditioning ..... : (IEC 60065, 10.3) (IEC 60950-1, 2.9.1)	(See sub-clause 5.4.8)	—
5.4.1.4	Maximum operating temperature for insulating materials ..... : (IEC 60065, 7.1) & (IEC 60950-1, 4.5)	(See appended table 5.4.1.4)	—
5.4.1.5	Pollution degree ..... : (IEC 60065, 13.1) & (IEC 60950-1, 2.10.1.2)	PD2	—
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound (IEC 60065, 13.6, 13.7) & (IEC 60950-1, 2.10.10)		N
5.4.1.5.3	Thermal cycling (IEC 60065, 13.6) & (IEC 60950-1, 2.10.9)		N
5.4.1.6	Insulation in transformers with varying dimensions (IEC 60065, 13.2) & (IEC 60950-1, 2.10.1.5)		N
5.4.1.7	Insulation in circuits generating starting pulses (IEC 60950-1, 2.10.3.5)		N
5.4.1.8	Determination of working voltage (IEC 60065, 13.2) & (IEC 60950-1, 2.10.2)		P

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
5.4.1.9	Insulating surfaces (IEC 60065, 13.3.1) & (IEC 60950-1, 2.10.3.1)		P
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted (IEC 60065, 7.2) & (IEC 60950-1, 4.5.5)	not directly connected to the mains	N
5.4.1.10.2	Vicat softening temperature..... : (IEC 60065, 7.2)	(See appended table 5.4.1.10.2)	N
5.4.1.10.3	Ball pressure ..... : (IEC 60950-1, 4.5.5)	(See appended table 5.4.1.10.3)	N
5.4.2	Clearances (IEC 60065, 13.3, Annex J) & (IEC 60950-1, 2.10.3, Annex G)		N
5.4.2.2	Determining clearance using peak working voltage	(See appended table 5.4.2.2)	N
5.4.2.3	Determining clearance using required withstand voltage ..... :	(See appended table 5.4.2.3)	—
	a) a.c. mains transient voltage..... :		—
	b) d.c. mains transient voltage ..... :		—
	c) external circuit transient voltage..... :		—
	d) transient voltage determined by measurement...		—
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	(See appended table 5.4.2.4)	N
5.4.2.5	Multiplication factors for clearances and test voltages ..... :		N
5.4.3	Creepage distances..... : (IEC 60065, 13.4) & (IEC 60950-1, 2.10.4)	(See appended table 5.4.3)	N
5.4.3.1	General		N
5.4.3.3	Material Group ..... : (IEC 60065, 13.4) & (IEC 60950-1, 2.10.4.2)	Material group IIIb assumed.	—
5.4.4	Solid insulation (IEC 60065, 8.8) & (IEC 60950-1, 2.10.5)		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
5.4.4.2	Minimum distance through insulation ..... : (IEC 60065, 8.8) & (IEC 60950-1, 2.10.5.2)	(See appended table 5.4.4.2)	N
5.4.4.3	Insulation compound forming solid insulation (IEC 60065, 13.6, 13.7, 13.8) & (IEC 60950-1, 2.10.5.3)		N
5.4.4.4	Solid insulation in semiconductor devices (IEC 60065, 13.6, 13.8) & (IEC 60950-1, 2.10.5.4)		N
5.4.4.5	Cemented joints (IEC 60065, 13.6) & (IEC 60950-1, 2.10.5.5)		N
5.4.4.6	Thin sheet material (IEC 60065, 8.8) & (IEC 60950-1, 2.10.5.6)		N
5.4.4.6.1	General requirements (IEC 60065, 8.8)		N
5.4.4.6.2	Separable thin sheet material (IEC 60065, 8.8) & (IEC 60950-1, 2.10.5.7)		N
	Number of layers (pcs) ..... :		—
5.4.4.6.3	Non-separable thin sheet material (IEC 60065, 8.21) & (IEC 60950-1, 2.10.5.8)		N
5.4.4.6.4	Standard test procedure for non-separable thin sheet material..... : (IEC 60950-1, 2.10.5.9)	(See appended Table 5.4.9)	—
5.4.4.6.5	Mandrel test (IEC 60065, 8.21) & (IEC 60950-1, Annex AA)		N
5.4.4.7	Solid insulation in wound components (IEC 60065, 8.16) & (IEC 60950-1, 2.10.5.11)		N
5.4.4.9	Solid insulation at frequencies >30 kHz..... :	(See appended Table 5.4.4.9)	—
5.4.5	Antenna terminal insulation (IEC 60065, 10.2) & (IEC 60950-1, 7.4)		N
5.4.5.1	General		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
5.4.5.2	Voltage surge test (IEC 60065, 10.2) & (IEC 60950-1, 7.4.2)		N
	Insulation resistance (MΩ) ..... :		—
5.4.6	Insulation of internal wire as part of supplementary safeguard..... : (IEC 60065, 8.9) & (IEC 60950-1, 2.1.1.3)	(See appended table 5.4.4.2)	—
5.4.7	Tests for semiconductor components and for cemented joints (IEC 60065, 13.6, 13.7, 13.8) & (IEC 60950-1, 2.10.11)		N
5.4.8	Humidity conditioning (IEC 60065, 10.3) & (IEC 60950-1, 2.9.2)		N
	Relative humidity (%) ..... :		—
	Temperature (°C) ..... :		—
	Duration (h) ..... :		—
5.4.9	Electric strength test..... : (IEC 60065, 10.4) & (IEC 60950-1, 5.2)	(See appended table 5.4.9)	N
5.4.9.1	Test procedure for a solid insulation type test (IEC 60065, 10.4) & (IEC 60950-1, 5.2)		N
5.4.9.2	Test procedure for routine tests (IEC 60065, N.3.2) & (IEC 60950-1, 5.2.2)		N
5.4.10	Protection against transient voltages between external circuit (IEC 60065, Annex B) & (IEC 60950-1, 6.2)		N
5.4.10.1	Parts and circuits separated from external circuits (IEC 60950-1, 6.2.1)		N
5.4.10.2	Test methods (IEC 60950-1, 6.2.2)		N
5.4.10.2.1	General		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
5.4.10.2.2	Impulse test ..... : (IEC 60950-1, 6.2.2.1)		—
5.4.10.2.3	Steady-state test..... : (IEC 60950-1, 6.2.2.2)		—
5.4.11	Insulation between external circuits and earthed circuitry ..... : (IEC 60065, Annex B) & (IEC 60950-1, 6.1)		—
5.4.11.1	Exceptions to separation between external circuits and earth (IEC 60950-1, 6.1.2.2)		N
5.4.11.2	Requirements (IEC 60950-1, 6.1.2.1)		N
	Rated operating voltage U_{op} (V) ..... :		—
	Nominal voltage U_{peak} (V) ..... :		—
	Max increase due to variation U_{sp} ..... :		—
	Max increase due to ageing ΔU_{sa} ..... :		—
	$U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa}$ ..... :		—
5.5	Components as safeguards		P
5.5.1	General		P
5.5.2	Capacitors and RC units (IEC 60065, 14.3)		N
5.5.2.1	General requirement (IEC 60065, 14.3) & (IEC 60950-1, 1.5.6)		N
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector ..... : (IEC 60065, 9.1.6) & (IEC 60950-1, 2.1.1.7)	(See appended table 5.5.2.2)	—
5.5.3	Transformers (IEC 60065, 14.4) & (IEC 60950-1, 1.5.4, Annex C)	(See Annex G.5.3)	N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
5.5.4	Optocouplers (IEC 60065, 14.12) & (IEC 60950-1, 2.10.5.3, 2.10.5.4)	(See sub-clause 5.4 or Annex G.12)	N
5.5.5	Relays	(See Annex G.2)	N
5.5.6	Resistors (IEC 60065, 14.2) & (IEC 60950-1, 1.5.7)	(See Annex G.10)	N
5.5.7	SPD's (IEC 60065, 14.13) & (IEC 60950-1, 1.5.9)	(See Annex G.8)	N
5.5.7.1	Use of an SPD connected to reliable earthing (IEC 60065, 14.13) & (IEC 60950-1, 1.5.9.4)		N
5.5.7.2	Use of an SPD between mains and protective earth (IEC 60065, 14.13) & (IEC 60950-1, 1.5.9.4)		N
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable .....: (IEC 60065, 10.2) & (IEC 60950-1, 1.5.7.3, 7.4)	(See Annex G.10.3)	—
5.6	Protective conductor		N
5.6.2	Requirement for protective conductors (IEC 60065, 15.2) & (IEC 60950-1, 2.6.3, 2.6.5)		N
5.6.2.1	General requirements		N
5.6.2.2	Colour of insulation (IEC 60065, 15.2) & (IEC 60950-1, 2.6.3.5)		N
5.6.3	Requirement for protective earthing conductors (IEC 60065, 15.2) & (IEC 60950-1, 2.6.3.2)		N
	Protective earthing conductor size (mm^2) .....:		—
5.6.4	Requirement for protective bonding conductors		N
5.6.4.1	Protective bonding conductors (IEC 60950-1, 2.6.3.3)		N
	Protective bonding conductor size (mm^2).....:		—

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
	Protective current rating (A) ..... :		—
5.6.4.3	Current limiting and overcurrent protective devices (IEC 60950-1, 2.6.5.2)		N
5.6.5	Terminals for protective conductors		N
5.6.5.1	Requirement (IEC 60065, 15.2) & (IEC 60950-1, 2.6.4.2)		N
	Conductor size (mm^2), nominal thread diameter (mm). .....:		—
5.6.5.2	Corrosion (IEC 60065, 15.2) & (IEC 60950-1, 2.6.5.6)		N
5.6.6	Resistance of the protective system (IEC 60065, 15.2) & (IEC 60950-1, 2.6.3.4)		N
5.6.6.1	Requirements (IEC 60065, 15.2) & (IEC 60950-1, 2.6.3.4)		N
5.6.6.2	Test Method Resistance (Ω).....: (IEC 60065, 15.2) & (IEC 60950-1, 2.6.3.4)	(See appended table 5.6.6.2)	—
5.6.7	Reliable earthing (IEC 60065, 14.13) & (IEC 60950-1, 1.5.9.4, 5.1.7.1)		N
5.7	Prospective touch voltage, touch current and protective conductor current		N
5.7.2	Measuring devices and networks	not directly connected to the mains	N
5.7.2.1	Measurement of touch current .....: (IEC 60065, 9.1.1.2) & (IEC 60950-1, 5.1.4)	(See appended table 5.7.4)	—
5.7.2.2	Measurement of prospective touch voltage (IEC 60065, 9.1.1.2) & (IEC 60950-1, 1.4.9)	No earthing parts used	N
5.7.3	Equipment set-up, supply connections and earth connections (IEC 60065, 9.1.1.2) & (IEC 60950-1, 5.1.3)	No earthing parts used	N

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Clause	Requirement + Test	Result – Remark	Verdict
	System of interconnected equipment (separate connections/single connection).....:		—
	Multiple connections to mains (one connection at a time/simultaneous connections).....:		—
5.7.4	Earthed conductive accessible parts.....: (IEC 60065, 9.1.1.2) & (IEC 60950-1, 5.1.6)	(See appended Table 5.7.4)	N
5.7.5	Protective conductor current (IEC 60950-1, 5.1.7)		N
	Supply Voltage (V).....:		—
	Measured current (Ma).....:		—
	Instructional Safeguard .....:	(See F.4 and F.5)	—
5.7.6	Prospective touch voltage and touch current due to external circuits (IEC 60950-1, 5.1.8)		N
5.7.6.1	Touch current from coaxial cables		N
5.7.6.2	Prospective touch voltage and touch current from external circuits (IEC 60950-1, 5.1.8.1)		N
5.7.7	Summation of touch currents from external circuits (IEC 60950-1, 5.1.8.2)		N
	a) Equipment with earthed external circuits Measured current (Ma).....:		—
	b) Equipment whose external circuits are not referenced to earth. Measured current (Ma).....:		—

6	**ELECTRICALLY- CAUSED FIRE**		P
6.2	Classification of power sources (PS) and potential ignition sources (PIS)		N
6.2.2	Power source circuit classifications	Supplied by LPS or PS2 power	N
6.2.2.1	General		N

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Clause	Requirement + Test	Result – Remark	Verdict
6.2.2.2	Power measurement for worst-case load fault ... : (IEC 60065, 4.3.1) & (IEC 60950-1, 2.5)	(See appended table 6.2.2)	—
6.2.2.3	Power measurement for worst-case power source fault..... : (IEC 60065, 4.3.1) & (IEC 60950-1, 2.5)	(See appended table 6.2.2)	—
6.2.2.4	PS1 ..... :	(See appended table 6.2.2)	—
6.2.2.5	PS2 ..... :	(See appended table 6.2.2)	—
6.2.2.6	PS3 ..... :	(See appended table 6.2.2)	—
6.2.3	Classification of potential ignition sources		N
6.2.3.1	Arcing PIS ..... :	(See appended table 6.2.3.1)	—
6.2.3.2	Resistive PIS ..... :	(See appended table 6.2.3.2)	—
6.3	Safeguards against fire under normal operating and abnormal operating conditions		N
6.3.1 (a)	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials ..... : (IEC 60065, 7.1) & (IEC 60950-1, 4.5.3)	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	—
6.3.1 (b)	Combustible materials outside fire enclosure (IEC 60950-1, 4.7.3.3)		N
6.4	Safeguards against fire under single fault conditions		P
6.4.1	Safeguard Method (IEC 60950-1, 4.7.1)	Use of materials with the required flammability classes.	N
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		N
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits (IEC 60065, 11.2, 20.2)	Supplied by an approved LPS adapter.	P
6.4.3.1	General		N
6.4.3.2	Supplementary Safeguards (IEC 60065, 20.2)	Use of materials with the required flammability classes.	N

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Clause	Requirement + Test	Result – Remark	Verdict
	Special conditions if conductors on printed boards are opened or peeled		N
6.4.3.3	Single Fault Conditions..... : (IEC 60065, 11.2)	(See appended table 6.4.3)	—
	Special conditions for temperature limited by fuse		N
6.4.4	Control of fire spread in PS1 circuits		N
6.4.5	Control of fire spread in PS2 circuits (IEC 60950-1, 4.7.3.4)	Use of materials with the required flammability classes.	P
6.4.5.2	Supplementary safeguards .....: (IEC 60950-1, 4.7.3.4)	(See appended tables 4.1.2 and Annex G)	—
6.4.6	Control of fire spread in PS3 circuit (IEC 60950-1, 4.7.3.4)		N
6.4.7	Separation of combustible materials from a PIS (IEC 60065, 20.2.5) & (IEC 60950-1, 4.7.3.4)		N
6.4.7.1	General.....:	(See tables 6.2.3.1 and 6.2.3.2)	—
6.4.7.2	Separation by distance (IEC 60065, 20.2.5) & (IEC 60950-1, 4.7.3.4)		N
6.4.7.3	Separation by a fire barrier (IEC 60065, 20.2.5) & (IEC 60950-1, 4.7.3.4)		N
6.4.8	Fire enclosures and fire barriers (IEC 60065, 20.2.5, 20.3) & (IEC 60950-1, 4.7.2, 4.7.3)	Enclosure thermoplastic parts rated V-2 or better	N
6.4.8.1	Fire enclosure and fire barrier material properties (IEC 60065, 20.2.5, 20.3) & (IEC 60950-1, 4.7.3.2, 4.7.3.4)		N
6.4.8.2.1	Requirements for a fire barrier (IEC 60065, 20.2.5) & (IEC 60950-1, 4.7.3.4)		N
6.4.8.2.2	Requirements for a fire enclosure (IEC 60065, 20.3) & (IEC 60950-1, 4.7.3.2)		N

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Clause	Requirement + Test	Result – Remark	Verdict
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier		N
6.4.8.3.1	Fire enclosure and fire barrier openings (IEC 60065, 20.3) & (IEC 60950-1, 4.6.1, 4.6.2)	No opening used	N
6.4.8.3.2	Fire barrier dimensions (IEC 60065, 20.2.5) & (IEC 60950-1, 4.6.2)	No such parts used	N
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm) .....: (IEC 60065, 20.3) & (IEC 60950-1, 4.6.1)		—
	Needle Flame test		N
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm) .....: (IEC 60065, 20.3) & (IEC 60950-1, 4.6.2)		—
	Flammability tests for the bottom of a fire enclosure .....:		—
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c) .....: (IEC 60950-1, 4.6.3)		—
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating.....: (IEC 60065, 20.2.5) & (IEC 60950-1, 4.7.3.1, 4.7.3.2)		—
6.5	Internal and external wiring		P
6.5.1	Requirements (IEC 60065, 16.3, 20.2.3) & (IEC 60950-1, 4.7.3.3, 4.7.3.4)	Approved internal wire used	P
6.5.2	Cross-sectional area (mm^2) .....:		—
6.5.3	Requirements for interconnection to building wiring .....: (IEC 60950-1, 2.5, 6.3)	(See Annex Q.)	—

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Clause	Requirement + Test	Result – Remark	Verdict
6.6	Safeguards against fire due to connection to additional equipment (IEC 60950-1, 3.5.4)		P
	External port limited to PS2 or complies with Clause Q.1		P
7	**INJURY CAUSED BY HAZARDOUS SUBSTANCES**		N
7.2	Reduction of exposure to hazardous substances	No such parts used	N
7.3	Ozone exposure (IEC 60950-1, 1.7.2.6)		N
7.4	Use of personal safeguards (PPE)		N
	Personal safeguards and instructions .....:		—
7.5	Use of instructional safeguards and instructions		N
	Instructional safeguard (ISO 7010) .....:		—
7.6	Batteries .....: (IEC 60065, 14.10) & (IEC 60950-1, 4.3.8)	(See Annex M)	—
8	***MECHANICALLY-CAUSED INJURY***		P
8.1	General		P
8.2	Mechanical energy source classifications	MS1	P
8.3	Safeguards against mechanical energy sources		N
8.4	Safeguards against parts with sharp edges and corners (IEC 60065, 19.5) & (IEC 60950-1, 4.3.1)	Edges or corners are rounded.	P
8.4.1	Safeguards (IEC 60950-1, 4.3.1)		N
8.5	Safeguards against moving parts	No moving parts used	N

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Clause	Requirement + Test	Result – Remark	Verdict
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment (IEC 60065, 14.10.3) & (IEC 60950-1, 4.4)		N
8.5.2	Instructional Safeguard..... : (IEC 60950-1, 4.4.5.2)		—
8.5.4	Special categories of equipment comprising moving parts		N
8.5.4.1	Large data storage equipment (IEC 60950-23)		N
8.5.4.2	Equipment having electromechanical device for destruction of media (IEC 60950-1, Annex EE)		N
8.5.4.2.1	Safeguards and Safety Interlocks .....: (IEC 60950-1, EE.3)	(See Annex F.4 and Annex K)	—
8.5.4.2.2	Instructional safeguards against moving parts		N
	Instructional Safeguard.....: (IEC 60950-1, EE.2)		—
8.5.4.2.3	Disconnection from the supply (IEC 60950-1, EE.4)		N
8.5.4.2.4	Probe type and force (N) .....: (IEC 60950-1, EE.5)		—
8.5.5	High Pressure Lamps (IEC 60950-1, 4.2.9)		N
8.5.5.1	Energy Source Classification		N
8.5.5.2	High Pressure Lamp Explosion Test .....:	(See appended table 8.5.5.2)	—
8.6	Stability (IEC 60065, 19) & (IEC 60950-1, 4.1)	wall-mounted	N
8.6.1	Product classification		N
	Instructional Safeguard.....: (IEC 60065, 5.5.2)		—

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Clause	Requirement + Test	Result – Remark	Verdict
8.6.2	Static stability (IEC 60065, 19.1) & (IEC 60950-1, 4.1)		N
8.6.2.2	Static stability test (IEC 60065, 19.2) & (IEC 60950-1, 4.1)		N
	Applied Force ..... :		—
8.6.2.3	Downward Force Test (IEC 60065, 19.3) & (IEC 60950-1, 4.1)		N
8.6.3	Relocation stability test (IEC 60065, 19.2)		N
	Unit configuration during 10° tilt ..... :		—
8.6.4	Glass slide test		N
8.6.5	Horizontal force test (Applied Force)..... : (IEC 60065, 19.4)		—
	Position of feet or movable parts..... :		—
8.7	Equipment mounted to wall or ceiling (IEC 60065, 19.7) & (IEC 60950-1, 4.2.10)	MS1: mass≤1kg, mounted≤2m	P
8.7.1	Mounting Means (Length of screws (mm) and mounting surface) ..... : (IEC 60065, 19.7)		—
8.7.2	Direction and applied force..... : (IEC 60065, 19.7) & (IEC 60950-1, 4.2.10)		—
8.8	Handles strength		N
8.8.1	Classification		N
8.8.2	Applied Force ..... :		—
8.9	Wheels or casters attachment requirements		N
8.9.1	Classification		N
8.9.2	Applied force ..... :		—
8.10	Carts, stands and similar carriers		N

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Clause	Requirement + Test	Result – Remark	Verdict
8.10.1	General		N
8.10.2	Marking and instructions		N
	Instructional Safeguard.....:		—
8.10.3	Cart, stand or carrier loading test and compliance		N
	Applied force .....:		—
8.10.4	Cart, stand or carrier impact test		N
8.10.5	Mechanical stability		N
	Applied horizontal force (N).....:		—
8.10.6	Thermoplastic temperature stability (°C).....:		—
8.11	Mounting means for rack mounted equipment (IEC 60950-1, Annex DD)		N
8.11.1	General (IEC 60950-1, DD.1)		N
8.11.2	Product Classification		N
8.11.3	Mechanical strength test, variable *N* .....: (IEC 60950-1, DD.2)		—
8.11.4	Mechanical strength test 250N, including end stops (IEC 60950-1, DD.3)		N
8.12	Telescoping or rod antennas .....: (IEC 60065, 12.6)	(See Annex T)	—
	Button/Ball diameter (mm).....:		—
9	**THERMAL BURN INJURY**		P
9.2	Thermal energy source classifications (IEC 60065, 7.1, 11.2) & (IEC 60950-1, 4.5.4)		P
9.3	Safeguard against thermal energy sources (IEC 60065, 7.1, 11.2) & (IEC 60950-1, 4.5.4)		P
9.4	Requirements for safeguards		P

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Clause	Requirement + Test	Result – Remark	Verdict
9.4.1	Equipment safeguard (IEC 60065, 7.1, 11.2) & (IEC 60950-1, 4.5.4)		P
9.4.2	Instructional safeguard .....: (IEC 60065, 7.1, 11.2) & (IEC 60950-1, 4.5.4)		—
10	**RADIATION**		N
10.2	Radiation energy source classification	No such part used	N
10.2.1	General classification		N
10.3	Protection against laser radiation (IEC 60065, 6.2) & (IEC 60950-1, 4.3.13.5.1)		N
	Laser radiation that exists equipment..... :		—
	Normal, abnormal, single-fault ..... :		—
	Instructional safeguard ..... :		—
	Tool ..... :		—
10.4	Protection against visible, infrared, and UV radiation (IEC 60065, 6.3) & (IEC 60950-1, 4.3.13.4, 4.3.13.5.2)		N
10.4.1	General		N
10.4.1.a)	RS3 for Ordinary and instructed persons..... :		—
10.4.1.b)	RS3 accessible to a skilled person ..... :		—
	Personal safeguard (PPE) instructional safeguard ..... :		—
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1:		—
10.4.1.d)	Normal, abnormal, single-fault conditions ..... :	(See appended table B.3 & B.4)	—
10.4.1.e)	Enclosure material employed as safeguard is opaque..... :		—
10.4.1.f)	UV attenuation..... :		—

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Clause	Requirement + Test	Result – Remark	Verdict
10.4.1.g)	Materials resistant to degradation UV ..... :		—
10.4.1.h)	Enclosure containment of optical radiation ..... :		—
10.4.1.i)	Exempt Group under normal operating conditions ..... :		—
10.4.2	Instructional safeguard ..... :		—
10.5	Protection against x-radiation (IEC 60065, 6.1) & (IEC 60950-1, 4.3.13.2)		N
10.5.1	X- radiation energy source that exists equipment ..... :	(See appended table B.3 & B.4)	—
	Normal, abnormal, single fault conditions		N
	Equipment safeguards ..... :		—
	Instructional safeguard for skilled person..... :		—
10.5.3	Most unfavourable supply voltage to give maximum radiation ..... : (IEC 60950-1, Annex H)		—
	Abnormal and single-fault condition ..... :	(See appended table B.3 & B.4)	—
	Maximum radiation (Pa/kg) ..... :		—
10.6	Protection against acoustic energy sources		N
10.6.1	General		N
10.6.2	Classification		N
	Acoustic output, Db(A) ..... :		—
	Output voltage, unweighted r.m.s..... :		—
10.6.4	Protection of persons		N
	Instructional safeguards ..... :		—
	Equipment safeguard prevent ordinary person to RS2..... :		—
	Means to actively inform user of increase sound pressure..... :		—

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Clause	Requirement + Test	Result – Remark	Verdict
	Equipment safeguard prevent ordinary person to RS2..... :		—
10.6.5	Requirements for listening devices (headphones, earphones, etc.)		N
10.6.5.1	Corded passive listening devices with analogue input		N
	Input voltage with 94 Db(A) Laeq acoustic pressure output ..... :		—
10.6.5.2	Corded listening devices with digital input		N
	Maximum Db(A) ..... :		—
10.6.5.3	Cordless listening device		N
	Maximum Db(A) ..... :		—
B	**NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS**		P
B.2	Normal Operating Conditions		P
B.2.1	General requirements..... : (IEC 60065, 4.2.1) & (IEC 60950-1, 1.4.4)	(See Test Item Particulars and appended test tables)	—
	Audio Amplifiers and equipment with audio amplifiers ..... : (IEC 60065, 4.2.5) & (IEC 60950-1, 4.4)	No such parts used	—
B.2.3	Supply voltage and tolerances (IEC 60065, 4.2.2) & (IEC 60950-1, 1.4.5)	Supplied by pproved adapter	P
B.2.5	Input test..... : (IEC 60065, 4.2, 5.2 g), h)) & (IEC 60950-1, 1.6.2)	(See appended table B.2.5)	—
B.3	Simulated abnormal operating conditions		P
B.3.1	General requirements..... : (IEC 60065, 4.3) & (IEC 60950-1, 5.3.1)	(See appended table B.3)	**P**

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Clause	Requirement + Test	Result – Remark	Verdict
B.3.2	Covering of ventilation openings (IEC 60065, 4.3.11) & (IEC 60950-1, 5.3.1)	No ventilation openings used	N
B.3.3	D.C. mains polarity test (IEC 60065, 4.2.2) & (IEC 60950-1, 5.3.1)		N
B.3.4	Setting of voltage selector ..... : (IEC 60065, 4.3.14) & (IEC 60950-1, 5.3.1)		**N**
B.3.5	Maximum load at output terminals ..... : (IEC 60065, 4.3.10) & (IEC 60950-1, 5.3.7)		**P**
B.3.6	Reverse battery polarity (IEC 60065, 4.3.12) & (IEC 60950-1, 4.3.8)		N
B.3.7	Abnormal operating conditions as specified in Clause E.2. (IEC 60065, 4.3.6) & (IEC 60950-1, 5.3.6)		N
B.3.8	Safeguards functional during and after abnormal operating conditions (IEC 60065, 11) & (IEC 60950-1, 5.3.9)		P
B.4	Simulated single fault conditions (IEC 60065, 4.3) & (IEC 60950-1, 1.4.14)		P
B.4.2	Temperature controlling device open or short-circuited	No temperature controlling device	N
B.4.3	Motor tests (IEC 60065, 4.3.7) & (IEC 60950-1, 5.3.2)	No motor used	N
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature ..... : (IEC 60065, 4.3.7) & (IEC 60950-1, 5.3.2)		—
B.4.4	Short circuit of functional insulation (IEC 60950-1, 5.3.4)		P
B.4.4.1	Short circuit of clearances for functional insulation		P
B.4.4.2	Short circuit of creepage distances for functional insulation		P

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Clause	Requirement + Test	Result – Remark	Verdict
B.4.4.3	Short circuit of functional insulation on coated printed boards		P
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors (IEC 60065, 4.3.4) & (IEC 60950-1, 5.3.7)		P
B.4.6	Short circuit or disconnect of passive components (IEC 60065, 4.3.5) & (IEC 60950-1, 5.3.7)		P
B.4.7	Continuous operation of components (IEC 60065, 4.3.8) & (IEC 60950-1, 5.3.5)		N
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions (IEC 60065, 11) & (IEC 60950-1, 5.3.9)		P
B.4.9	Battery charging under single fault conditions ... : (IEC 60065, 14.11.3) & (IEC 60950-1, 4.3.8)		—
C	**UV RADIATION**		N
C.1	Protection of materials in equipment from UV radiation (IEC 60950-1, 4.3.13.3)	No such parts used	N
C.1.2	Requirements		N
C.1.3	Test method		N
C.2	UV light conditioning test (IEC 60950-1, Annex Y)		N
C.2.1	Test apparatus (IEC 60950-1, Y.1)		N
C.2.2	Mounting of test samples (IEC 60950-1, Y.2)		N
C.2.3	Carbon-arc light-exposure apparatus (IEC 60950-1, Y.3)		N
C.2.4	Xenon-arc light exposure apparatus (IEC 60950-1, Y.4)		N

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Clause	Requirement + Test	Result – Remark	Verdict
D	**TEST GENERATORS**		N
D.1	Impulse test generators (IEC 60065, Annex K) & (IEC 60950-1, N.1)		N
D.2	Antenna interface test generator (IEC 60950-1, N.2)		N
D.3	Electronic pulse generator		N
E	**TEST CONDITIONS FOR EQUIPMENT CONTAINING AUDIO AMPLIFIERS**		N
E.1	Audio amplifier normal operating conditions (IEC 60065, 4.2.5) & (IEC 60950-1, 4.5.1)		N
	Audio signal voltage (V) .....:		—
	Rated load impedance (Ω) .....:		—
E.2	Audio amplifier abnormal operating conditions (IEC 60065, 4.3.6) & (IEC 60950-1, 5.3.6)		N
F	**EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS**		P
F.1	General requirements (IEC 60065, 5.1, 5.2, 5.3) & (IEC 60950-1, 1.7.2.1)		P
	Instructions – Language .....:	Given in English language or local language	—
F.2	Letter symbols and graphical symbols (IEC 60065, 5.1)	See marking plate	P
F.2.1	Letter symbols according to IEC60027-1 (IEC 60065, 5.1)		P
F.2.2	Graphic symbols IEC, ISO or manufacturer specific (IEC 60065, 5.1) & (IEC 60950-1, 1.7.1.1)		P
F.3	Equipment markings		P

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Clause	Requirement + Test	Result – Remark	Verdict
F.3.1	Equipment marking locations (IEC 60065, 5.1) & (IEC 60950-1, 1.7.1.2)	On enclosure surface	P
F.3.2	Equipment identification markings (IEC 60065, 5.2) & (IEC 60950-1, 1.7.1.2)	See marking plate	P
F.3.2.1	Manufacturer identification .....: (IEC 60065, 5.2 a)) & (IEC 60950-1, 1.7.1.2)		—
F.3.2.2	Model identification .....: (IEC 60065, 5.2 b)) & (IEC 60950-1, 1.7.1.2)		—
F.3.3	Equipment rating markings (IEC 60065, 5.2) & (IEC 60950-1, 1.7.1.1)		P
F.3.3.1	Equipment with direct connection to mains (IEC 60065, 5.2 e)) & (IEC 60950-1, 1.7.1.1)		N
F.3.3.2	Equipment without direct connection to mains (IEC 60065, 5.2 e)) & (IEC 60950-1, 1.7.1.1)		P
F.3.3.3	Nature of supply voltage.....: (IEC 60065, 5.2 d)) & (IEC 60950-1, 1.7.1.1)		—
F.3.3.4	Rated voltage .....: (IEC 60065, 5.2 e)) & (IEC 60950-1, 1.7.1.1)		—
F.3.3.4	Rated frequency.....: (IEC 60065, 5.2 f)) & (IEC 60950-1, 1.7.1.1)		—
F.3.3.6	Rated current or rated power .....: (IEC 60065, 5.2 g), h)) & (IEC 60950-1, 1.7.1.1)		—
F.3.3.7	Equipment with multiple supply connections (IEC 60950-1, 1.7.1.1)		—
F.3.4	Voltage setting device (IEC 60065, 5.2 e)) & (IEC 60950-1, 1.7.4)		N
F.3.5	Terminals and operating devices	See marking plate	P

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Clause	Requirement + Test	Result – Remark	Verdict
F.3.5.1	Mains appliance outlet and socket-outlet markings ..... : (IEC 60065, 5.3 c)) & (IEC 60950-1, 1.7.5)		—
F.3.5.2	Switch position identification marking ..... : (IEC 60065, 5.5.3) & (IEC 60950-1, 1.7.8.3)		—
F.3.5.3	Replacement fuse identification and rating markings..... : (IEC 60065, 14.6.3.2) & (IEC 60950-1, 1.7.6)		—
F.3.5.4	Replacement battery identification marking ..... : (IEC 60065, 5.5.2 c)) & (IEC 60950-1, 1.7.13)		—
F.3.5.5	Terminal marking location (IEC 60950-1, 1.7.7.1)		N
F.3.6	Equipment markings related to equipment classification		N
F.3.6.1	Class I Equipment	Class III equipment	P
F.3.6.1.1	Protective earthing conductor terminal (IEC 60065, 5.3 a)) & (IEC 60950-1, 1.7.7.1)		N
F.3.6.1.2	Neutral conductor terminal (IEC 60950-1, 1.7.7.2)		N
F.3.6.1.3	Protective bonding conductor terminals (IEC 60950-1, 1.7.7.1)		N
F.3.6.2	Class II equipment (IEC60417-5172)		N
F.3.6.2.1	Class II equipment with or without functional earth (IEC 60065, 5.2 c)) & (IEC 60950-1, 1.7.7.2)		N
F.3.6.2.2	Class II equipment with functional earth terminal marking (IEC 60950-1, 2.6.2)		N
F.3.7	Equipment IP rating marking ..... : (IEC 60065, A.5)	IPX0	—

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Clause	Requirement + Test	Result – Remark	Verdict
F.3.8	External power supply output marking (IEC 60065, 5.3 c))		N
F.3.9	Durability, legibility and permanence of marking (IEC 60065, 5.1) & (IEC 60950-1, 1.7.11)		P
F.3.10	Test for permanence of markings (IEC 60065, 5.1) & (IEC 60950-1, 1.7.11)		P
F.4	Instructions (IEC 60065, 5.4, 5.5.2) & (IEC 60950-1, 1.7.2.1, 1.7.14, 5.1.7, 3,4,3)		P
	a) Equipment for use in locations where children not likely to be present – marking		P
	b) Instructions given for installation or initial use		P
	c) Equipment intended to be fastened in place		P
	d) Equipment intended for use only in restricted access area		N
	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1		N
	f) Protective earthing employed as safeguard		N
	g) Protective earthing conductor current exceeding ES 2 limits		N
	h) Symbols used on equipment		P
	i) Permanently connected equipment not provided with all-pole mains switch		N
	j) Replaceable components or modules providing safeguard function		N
F.5	Instructional safeguards (IEC 60065, 5.4, 5.5)		N

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Clause	Requirement + Test	Result – Remark	Verdict
	Where “instructional safeguard” is referenced in the test report it specifies the required elements, location of marking and/or instruction		N
G	**COMPONENTS**		P
G.1	**Switches** (IEC 60950-1, 2.8.7)		N
G.1.1	General requirements (IEC 60065, 14.7)	No switch used	N
G.1.2	Ratings, endurance, spacing, maximum load (IEC 60065, 14.7)		N
G.2	**Relays** (IEC 60065, 14.4.3) & (IEC 60950-1, 2.8.7)		N
G.2.1	General requirements	No relay used	N
G.2.2	Overload test (IEC 60950-1, 2.8.7.2)		N
G.2.3	Relay controlling connectors supply power		N
G.2.4	Mains relay, modified as stated in G.2		N
G.3	**Protection Devices**		N
G.3.1	Thermal cut-offs (IEC 60065, 14.6.2.2)		N
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b) (IEC 60065, 14.6.2.2 a))		N
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c) (IEC 60065, 14.6.2.2 b))		N
G.3.1.2	Thermal cut-off connections maintained and secure		N

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Clause	Requirement + Test	Result – Remark	Verdict
G.3.2	Thermal links (IEC 60065, 14.6.2.3)		N
G.3.2.1a)	Thermal links separately tested with IEC 60691 (IEC 60065, 14.6.2.3 a))		N
G.3.2.1b)	Thermal links tested as part of the equipment (IEC 60065, 14.6.2.3 b))		N
	Aging hours (H) ..... :		—
	Single Fault Condition ..... :		—
	Test Voltage (V) and Insulation Resistance (Ω) . :		—
G.3.3	PTC Thermistors (IEC 60065, 14.6.4) & (IEC 60950-1, 2.5)		N
G.3.4	Overcurrent protection devices (IEC 60065, 14.6.3) & (IEC 60950-1, 2.7)		N
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.5 (IEC 60065, 14.6.5)		N
G.3.5.1	Non-resettable devices suitably rated and marking provided (IEC 60065, 14.6.5)		N
G.3.5.2	Single faults conditions.....: (IEC 60065, 14.6.5)	(See appended Table B.4)	—
G.4	**Connectors**		N
G.4.1	Spacings (IEC 60950-1, 2.10.3.1, 2.10.4.3)		N
G.4.2	Mains connector configuration .....: (IEC 60065, 15.1) & (IEC 60950-1, 3.2.4)		—
G.4.3	Plug is shaped that insertion into mains socket-outlets or appliance coupler is unlikely (IEC 60065, 15.1.2) & (IEC 60950-1, 4.3.5)		N
G.5	**Wound Components**		N

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Clause	Requirement + Test	Result – Remark	Verdict
G.5.1	Wire insulation in wound components.....	(See Annex J)	—
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90° (IEC 60065, 8.16) & (IEC 60950-1, 2.10.5.12)		N
G.5.1.2 b)	Construction subject to routine testing (IEC 60950-1, 2.10.5.11)		N
G.5.2	Endurance test on wound components (IEC 60065, 8.17)		N
G.5.2.1	General test requirements		N
G.5.2.2	Heat run test (IEC 60065, 8.17 a))		N
	Time (s) .....:		—
	Temperature (°C).....:		—
G.5.2.3	Wound Components supplied by mains (IEC 60065, 8.17 d))		N
G.5.3	**Transformers** (IEC 60950-1, 1.5.4)		N
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1) .....: (IEC 60065, 14.4.3)		—
	Position.....:		—
	Method of protection .....:		—
G.5.3.2	Insulation		N
	Protection from displacement of windings.....: (IEC 60065, 14.4) & (IEC 60950-1, C.2)		—
G.5.3.3	Overload test ..... :	(See appended table B.3)	—
G.5.3.3.1	Test conditions (IEC 60950-1, C.1)		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
G.5.3.3.2	Winding Temperatures testing in the unit (IEC 60065, 11.2) & (IEC 60950-1, C.1)		N
G.5.3.3.3	Winding Temperatures – Alternative test method		N
G.5.4	**Motors**		N
G.5.4.1	General requirements (IEC 60065, 4.3.7, 14.10) & (IEC 60950-1, B.1)	No motor used	N
	Position .....:		—
G.5.4.2	Test conditions (IEC 60065, 4.3.7, 14.10) & (IEC 60950-1, B.2)		N
G.5.4.3	Running overload test (IEC 60950-1, B.4)		N
G.5.4.4	Locked-rotor overload test (IEC 60065, 4.3.7) & (IEC 60950-1, B.5)		N
	Test duration (days) .....:		—
G.5.4.5	Running overload test for d.c. motors in secondary circuits (IEC 60950-1, B.6)		N
G.5.4.5.2	Tested in the unit (IEC 60950-1, B.6.2)		N
	Electric strength test (V).....:		—
G.5.4.5.3	Tested on the Bench – Alternative test method; test time (h) .....: (IEC 60950-1, B.6.3)		—
	Electric strength test (V).....:		—
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits (IEC 60065, 4.3.7) & (IEC 60950-1, B.7)		N
G.5.4.6.2	Tested in the unit (IEC 60950-1, B.7.2)		N

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Clause	Requirement + Test	Result – Remark	Verdict
	Maximum Temperature .....:		—
	Electric strength test (V) .....:		—
G.5.4.6.3	Tested on the bench – Alternative test method; test time (h) .....: (IEC 60950-1, B.7.3)		—
	Electric strength test (V).....:		—
G.5.4.7	Motors with capacitors (IEC 60950-1, B.8)		N
G.5.4.8	Three-phase motors (IEC 60950-1, B.9)		N
G.5.4.9	Series motors (IEC 60950-1, B.10)		N
	Operating voltage .....:		—
G.6	**Wire Insulation**		P
G.6.1	General (IEC 60065, 8.16) & (IEC 60950-1, 2.10.5.12)	Approved wire used and input voltage<ES2	P
G.6.2	Solvent-based enamel wiring insulation (IEC 60065, 8.1) & (IEC 60950-1, 2.10.5.13)		P
G.7	**Mains supply cords**		N
G.7.1	General requirements (IEC 60065, 16.1, 16.2) & (IEC 60950-1, 3.2.5.1)		N
	Type.....:		—
	Rated current (A).....:		—
	Cross-sectional area (mm^2), (AWG)..... :		—
G.7.2	Compliance and test method (IEC 60065, 16.2) & (IEC 60950-1, 3.2.5.1)		N
G.7.3	Cord anchorages and strain relief for non-detachable power supply cords		N
G.7.3.2	Cord strain relief		N

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Clause	Requirement + Test	Result – Remark	Verdict
G.7.3.2.1	Requirements (IEC 60065, 16.5) & (IEC 60950-1, 3.2.6)		N
	Strain relief test force (N)..... :		—
G.7.3.2.2	Strain relief mechanism failure (IEC 60950-1, 3.2.6)		N
G.7.3.2.3	Cord sheath or jacket position, distance (mm).... : (IEC 60065, 16.5) & (IEC 60950-1, 3.2.7)		—
G.7.3.2.4	Strain relief comprised of polymeric material (IEC 60065, 16.5) & (IEC 60950-1, 3.2.6, 3.2.7)		N
G.7.4	Cord Entry ..... : (IEC 60950-1, 3.1.4, 3.2.7)	(See appended table 5.4.11.1)	—
G.7.5	Non-detachable cord bend protection		N
G.7.5.1	Requirements (IEC 60950-1, 3.2.8)		N
G.7.5.2	Mass (g) ..... :		—
	Diameter (m) ..... :		—
	Temperature (°C)..... :		—
G.7.6	Supply wiring space (IEC 60950-1, 3.2.9)		N
G.7.6.2	Stranded wire (IEC 60950-1, 3.3.8)		N
G.7.6.2.1	Test with 8 mm strand (IEC 60950-1, 3.3.8)		N
G.8	**Varistors**		N
G.8.1	General requirements		N
G.8.2	Safeguard against shock (IEC 60065, 14.13) & (IEC 60950-1, Annex Q)		N
G.8.3	Safeguard against fire		N

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Clause	Requirement + Test	Result – Remark	Verdict
G.8.3.2	Varistor overload test.....: (IEC 60065, 14.13)	(See appended table B.3)	—
G.8.3.3	Temporary overvoltage.....:	(See appended table B.3)	—
G.9	**Integrated Circuit (IC) Current Limiters** (IEC 60950-1, Annex CC)		N
G.9.1 a)	Manufacturer defines limit at max. 5A. (IEC 60950-1, CC.1)		N
G.9.1 b)	Limiters do not have manual operator or reset (IEC 60950-1, CC.1)		N
G.9.1 c)	Supply source does not exceed 250 VA .....: (IEC 60950-1, CC.1)		—
G.9.1 d)	IC limiter output current (max. 5A) .....: (IEC 60950-1, CC.1)		—
G.9.1 e)	Manufacturers' defined drift .....: (IEC 60950-1, CC.1)		—
G.9.2	Test Program 1 (IEC 60950-1, CC.2)		N
G.9.3	Test Program 2 (IEC 60950-1, CC.3)		N
G.9.4	Test Program 3 (IEC 60950-1, CC.4)		N
G.10	**Resistors** (IEC 60065, 14.2) & (IEC 60950-1, 1.5.7)		N
G.10.1	General requirements (IEC 60065, 14.2) & (IEC 60950-1, 1.5.7.1)		N
G.10.2	Resistor test (IEC 60065, 14.2) & (IEC 60950-1, 1.5.7.2)		N

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Clause	Requirement + Test	Result – Remark	Verdict
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable (IEC 60065, 14.2) & (IEC 60950-1, 1.5.7.3)		N
G.10.3.1	General requirements		N
G.10.3.2	Voltage surge test		N
G.10.3.3	Impulse test (IEC 60950-1, 1.5.7.3)		N
G.11	**Capacitor and RC units** (IEC 60065, 14.3) & (IEC 60950-1, 1.5.6)		N
G.11.1	General requirements (IEC 60065, 14.3.1) & (IEC 60950-1, 1.5.6)		N
G.11.2	Conditioning of capacitors and RC units (IEC 60065, 14.3.1) & (IEC 60950-1, 1.5.6)		N
G.11.3	Rules for selecting capacitors (IEC 60065, 14.3.2) & (IEC 60950-1, 1.5.6)		N
G.12	**Optocouplers**		N
	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results).....: (IEC 60065, 14.12) & (IEC 60950-1, 2.10.5.4)		N
	Type test voltage Vini .....:		—
	Routine test voltage, Vini,b .....:		—
G.13	**Printed boards** (IEC 60065, 13.5) & (IEC 60950-1, 2.10.6)		P
G.13.1	General requirements	Approved PCB used	N
G.13.2	Uncoated printed boards (IEC 60065, 13.5.1) & (IEC 60950-1, 2.10.6.1)		N
G.13.3	Coated printed boards (IEC 60065, 13.5.2) & (IEC 60950-1, 2.10.6.2)		N

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Clause	Requirement + Test	Result – Remark	Verdict
G.13.4	Insulation between conductors on the same inner surface (IEC 60950-1, 2.10.6.3)		N
	Compliance with cemented joint requirements (Specify construction).....: (IEC 60065, 13.5.2, 13.6, 13.7) & (IEC 60950-1, 2.10.5.5)		—
G.13.5	Insulation between conductors on different surfaces (IEC 60065, 13.5.1) & (IEC 60950-1, 2.10.6.4)		N
	Distance through insulation.....:	(See appended table 5.4.4.5)	—
	Number of insulation layers (pcs) .....:		—
G.13.6	Tests on coated printed boards (IEC 60065, 13.5.2) & (IEC 60950-1, 2.10.8)		N
G.13.6.1	Sample preparation and preliminary inspection (IEC 60950-1, 2.10.8.1)		N
G.13.6.2a)	Thermal conditioning (IEC 60950-1, 2.10.8.2)		N
G.13.6.2b)	Electric strength test (IEC 60950-1, 2.10.8.3)		N
G.13.6.2c)	Abrasion resistance test (IEC 60950-1, 2.10.8.4)		N
G.14	**Coating on components terminals**		N
G.14.1	Requirements ..... : (IEC 60950-1, 2.10.7)	(See G.13)	—
G.15	**Liquid filled components**		N
G.15.1	General requirements		N
G.15.2	Requirements		N
G.15.3	Compliance and test methods		N

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Clause	Requirement + Test	Result – Remark	Verdict
G.15.3.1	Hydrostatic pressure test		N
G.15.3.2	Creep resistance test		N
G.15.3.3	Tubing and fittings compatibility test		N
G.15.3.4	Vibration test		N
G.15.3.5	Thermal cycling test		N
G.15.3.6	Force test		N
G.15.4	Compliance		N
G.16	**IC including capacitor discharge function (ICX)**		N
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours		N
b)	Impulse test using circuit 2 with Uc = to transient voltage .....:		—
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes		N
C2)	Test voltage .....:		—
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer		N
D2)	Capacitance .....:		—
D3)	Resistance .....:		—
H	**CRITERIA FOR TELEPHONE RINGING SIGNALS**		N
H.1	General (IEC 60950-1, M.1)		N
H.2	Method A (IEC 60950-1, M.2)		N
H.3	Method B (IEC 60950-1, M.3)		N

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Clause	Requirement + Test	Result – Remark	Verdict
H.3.1	Ringing signal (IEC 60950-1, M.3.1)		N
H.3.1.1	Frequency (Hz) .....: (IEC 60950-1, M.3.1.1)		—
H.3.1.2	Voltage (V) .....: (IEC 60950-1, M.3.1.2)		—
H.3.1.3	Cadence; time (s) and voltage (V) .....: (IEC 60950-1, M.3.1.3)		—
H.3.1.4	Single fault current (Ma):.....: (IEC 60950-1, M.3.1.4)		—
H.3.2	Tripping device and monitoring voltage.....: (IEC 60950-1, M.3.2)		—
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with (IEC 60950-1, M.3.2.1)		N
H.3.2.2	Tripping device (IEC 60950-1, M.3.2.2)		N
H.3.2.3	Monitoring voltage (V) .....: (IEC 60950-1, M.3.2.3)		—

J	**INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION**		N
	General requirements (IEC 60065, Annex H) & (IEC 60950-1, Annex U)	(See separate test report)	N

K	**SAFETY INTERLOCKS**		N
K.1	General requirements (IEC 60065, 14.8) & (IEC 60950-1, 2.8.1, 2.8.2)		N

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Clause	Requirement + Test	Result – Remark	Verdict
K.2	Components of safety interlock safeguard mechanism ..... (IEC 60950-1, 2.8.7)	(See Annex G)	—
K.3	Inadvertent change of operating mode (IEC 60950-1, 2.8.3)		N
K.4	Interlock safeguard override (IEC 60950-1, 2.8.6)		N
K.5	Fail-safe (IEC 60950-1, 2.8.4)		N
	Compliance .....:	(See appended table B.4)	—
K.6	Mechanically operated safety interlocks (IEC 60950-1, 2.8.5)		N
K.6.1	Endurance requirement (IEC 60950-1, 2.8.5)		N
K.6.2	Compliance and Test method.....: (IEC 60950-1, 2.8.5)		—
K.7	Interlock circuit isolation (IEC 60950-1, 2.8.7)		N
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location) .....: (IEC 60950-1, 2.8.7.1, 2.8.7.3)		—
K.7.2	Overload test, Current (A).....: (IEC 60950-1, 2.8.7.2)		—
K.7.3	Endurance test (IEC 60950-1, 2.8.7.3)		N
K.7.4	Electric strength test .....: (IEC 60950-1, 2.8.7.4)	(See appended table 5.4.11)	—

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Clause	Requirement + Test	Result – Remark	Verdict
L	**DISCONNECT DEVICES**		N
L.1	General requirements (IEC 60065, 5.5.3) & (IEC 60950-1, 3.4.1, 3.4.2)	not directly connected to the mains	N
L.2	Permanently connected equipment (IEC 60065, 5.5.3) & (IEC 60950-1, 3.4.3)		N
L.3	Parts that remain energized (IEC 60065, 5.5.3) & (IEC 60950-1, 3.4.4)		N
L.4	Single phase equipment (IEC 60065, 5.5.3) & (IEC 60950-1, 3.4.6)		N
L.5	Three-phase equipment (IEC 60065, 8.18) & (IEC 60950-1, 3.4.7)		N
L.6	Switches as disconnect devices (IEC 60065, 5.5.3) & (IEC 60950-1, 3.4.8)		N
L.7	Plugs as disconnect devices (IEC 60065, 5.5.3) & (IEC 60950-1, 3.4.9)		N
L.8	Multiple power sources (IEC 60950-1, 3.4.11)		N
M	**EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS**		N
M.1	General requirements (IEC 60065, 5.5.2 c)) & (IEC 60950-1, 1.7.13)	No battery used	N
M.2	Safety of batteries and their cells (IEC 60065, 14.11.1) & (IEC 60950-1, 4.3.8)		N
M.2.1	Requirements (IEC 60950-1, 4.3.8)		N
M.2.2	Compliance and test method (identify method) .. : (IEC 60950-1, 4.3.8)		—
M.3	Protection circuits (IEC 60950-1, 4.3.8)		N

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Clause	Requirement + Test	Result – Remark	Verdict
M.3.1	Requirements (IEC 60950-1, 4.3.8)		N
M.3.2	Tests (IEC 60950-1, 4.3.8)		N
	- Overcharging of a rechargeable battery		N
	- Unintentional charging of a non-rechargeable battery		N
	- Reverse charging of a rechargeable battery		N
	- Excessive discharging rate for any battery		N
M.3.3	Compliance .....: (IEC 60950-1, 4.3.8)	(See appended Tables and Annex M and M.4)	—
M.4	Additional safeguards for equipment containing secondary lithium battery	No battery used	N
M.4.1	General		N
M.4.2	Charging safeguards		N
M.4.2.1	Charging operating limits		N
M.4.2.2a)	Charging voltage, current and temperature .....: (IEC 60065, 14.11.3)	(See Table M.4)	—
M.4.2.2 b)	Single faults in charging circuitry .....: (IEC 60065, 14.11.3)	(See Annex B.4)	—
M.4.3	Fire Enclosure		N
M.4.4	Endurance of equipment containing a secondary lithium battery		N
M.4.4.2	Preparation		N
M.4.4.3	Drop and charge/discharge function tests (IEC 60065, 14.11.5)		N
	Drop		N
	Charge		N
	Discharge		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
M.4.4.4	Charge-discharge cycle test		N
M.4.4.5	Result of charge-discharge cycle test		N
M.5	Risk of burn due to short circuit during carrying		N
M.5.1	Requirement		N
M.5.2	Compliance and Test Method (Test of P.2.3)		N
M.6	Prevention of short circuits and protection from other effects of electric current		N
M.6.1	Short circuits		N
M.6.1.1	General requirements		N
M.6.1.2	Test method to simulate an internal fault		N
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method) ..... :		—
M.6.2	Leakage current (Ma) ..... :		—
M.7	Risk of explosion from lead acid and NiCd batteries		N
M.7.1	Ventilation preventing explosive gas concentration		N
M.7.2	Compliance and test method		N
M.8	Protection against internal ignition from external spark sources of lead acid batteries		N
M.8.1	General requirements		N
M.8.2	Test method		N
M.8.2.1	General requirements		N
M.8.2.2	Estimation of hypothetical volume *Vz* (m^3/s)..... :		—
M.8.2.3	Correction factors..... :		—
M.8.2.4	Calculation of distance *d* (mm) ..... :		—
M.9	Preventing electrolyte spillage		N
M.9.1	Protection from electrolyte spillage		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
M.9.2	Tray for preventing electrolyte spillage		N
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing) .....: (IEC 60065, 5.5.1)		—
N	**ELECTROCHEMICAL POTENTIALS**		N
	Metal(s) used .....: (IEC 60065, Annex F) & (IEC 60950-1, Annex J)		—
O	**MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES**		N
	Figures O.1 to O.20 of this Annex applied.....: (IEC 60065, Annex E) & (IEC 60950-1, Annex F)		—
P	**SAFEGUARDS AGAINST ENTRY OF FOREIGN OBJECTS AND SPILLAGE OF INTERNAL LIQUIDS**		N
P.1	General requirements	IPX0	N
P.2.2	Safeguards against entry of foreign object (IEC 60065, 9.1.3) & (IEC 60950-1, 4.6.1)		N
	Location and Dimensions (mm) .....:		—
P.2.3	Safeguard against the consequences of entry of foreign object		N
P.2.3.1	Safeguards against the entry of a foreign object (IEC 60950-1, 4.6.1, 4.6.4.3)		N
	Openings in transportable equipment		N
	Transportable equipment with metalized plastic parts .....:		—

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard) ..... : (IEC 60950-1, 4.6.4.2, 4.6.4.3)		—
P.3	Safeguards against spillage of internal liquids		N
P.3.1	General requirements		N
P.3.2	Determination of spillage consequences		N
P.3.3	Spillage safeguards		N
P.3.4	Safeguards effectiveness		N
P.4	Metallized coatings and adhesive securing parts		N
P.4.2 a)	Conditioning testing (IEC 60950-1, 4.6.5)		N
	Tc (°C) ..... :		—
	Tr (°C)..... :		—
	Ta (°C) ..... :		—
P.4.2 b)	Abrasion testing ..... :	(See G.13.6.2)	—
P.4.2 c)	Mechanical strength testing ..... :	(See Annex T)	—
Q	**CIRCUITS INTENDED FOR INTERCONNECTION WITH BUILDING WIRING**		N
Q.1	Limited power sources (IEC 60950-1, 2.5)		N
Q.1.1 a)	Inherently limited output (IEC 60950-1, 2.5)		N
Q.1.1 b)	Impedance limited output (IEC 60950-1, 2.5)		N
	- Regulating network limited output under normal operating and simulated single fault condition		N
Q.1.1 c)	Overcurrent protective device limited output (IEC 60950-1, 2.5)		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
Q.1.1 d)	IC current limiter complying with G.9 (IEC 60950-1, 2.5)		N
Q.1.2	Compliance and test method (IEC 60950-1, 2.5)		N
Q.2	Test for external circuits – paired conductor cable (IEC 60950-1, 6.3)		N
	Maximum output current (A) .....:		—
	Current limiting method.....:		—
R	**LIMITED SHORT CIRCUIT TEST**		**N**
R.1	General requirements		N
R.2	Determination of the overcurrent protective device and circuit		N
R.3	Test method Supply voltage (V) and short-circuit current (A)). .....:		—
S	**TESTS FOR RESISTANCE TO HEAT AND FIRE**		**N**
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N
	Samples, material .....:		—
	Wall thickness (mm).....:		—
	Conditioning (°C).....:		—
	Test flame according to IEC 60695-11-5 with conditions as set out		N
	- Material not consumed completely		N
	- Material extinguishes within 30s		N
	- No burning of layer or wrapping tissue		N

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict

IEC/EN 62368-1			
Clause	Requirement + Test	Result – Remark	Verdict
U	**MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFECTS OF IMPLOSION**		N
U.1	General requirements (IEC 60065, 18.1) & (IEC 60950-1, 4.2.8)	No such parts used	N
U.2	Compliance and test method for non-intrinsically protected CRTs (IEC 60065, 18.2)		N
U.3	Protective Screen.....:		—
V	**DETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)**		P
V.1	Accessible parts of equipment (IEC 60065, 9.1.1.3, 9.1.3, 9.1.4) & (IEC 60950-1, 1.7.2.5, 2.1.1.1, EE.5)		P
V.2	Accessible part criterion		P

4.1.2	TABLE: List of critical components				P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity[1])
Plastic enclosure	(Various)	(various)	V-1, 60 ºC or better	UL 94	UL
PCB	(Various)	(various)	V-0,130℃	UL 94	UL
Internal wire	(Various)	(various)	24AWG, VW-1, 80℃	UL 758	UL
[1]) An asterisk indicates a mark which assures the agreed level of surveillance					

4.8.4, 4.8.5	TABLE: Lithium coin/button cell batteries mechanical tests			N
(The following mechanical tests are conducted in the sequence noted.)				
4.8.4.2	TABLE: Stress relief test			—
Part	Material	Oven Temperature (°C)		Comments
				N
4.8.4.3	TABLE: Battery replacement test			—
Battery part no. ..... :				—
Battery Installation/withdrawal		Battery Installation/Removal Cycle		Comments
		1		N
		2		N
		3		N
		4		N
		5		N
		6		N
		8		N
		9		N
		10		N
4.8.4.4	TABLE: Drop test			—
Impact Area	Drop Distance	Drop No.		Observations

4.8.4, 4.8.5	**TABLE: Lithium coin/button cell batteries mechanical tests**	N

(The following mechanical tests are conducted in the sequence noted.)			
		1	N
		2	N
		3	N
4.8.4.5	**TABLE: Impact**		—
Impacts per surface	Surface tested	Impact energy (Nm)	Comments
			N
			N
			N
4.8.4.6	**TABLE: Crush test**		—
Test position	Surface tested	Crushing Force (N)	Duration force applied (s)
--	--	--	--
Supplementary information:			

4.8.5	**TABLE: Lithium coin/button cell batteries mechanical test result**		**N**
Test position	Surface tested	Force (N)	Duration force applied (s)
--	--	--	--
Supplementary information:			

5.2	TABLE: Classification of electrical energy sources	N

5.2.2.2 – Steady State Voltage and Current conditions

No.	Supply Voltage	Location	Test conditions	Parameters			ES Class
				U (Vrms or Vpk)	I (Apk or Arms)	Hz	
1			Normal	--	--	--	
			Abnormal	--	--	--	
			--	--	--	--	

5.2.2.3 - Capacitance Limits						N
No.	Supply Voltage	Location (e.g. circuit designation)	Test conditions	Parameters		ES Class
				Capacitance, nF	Upk (V)	
--	--	--	--	--	--	--

5.2.2.4 - Single Pulses

No.	Supply Voltage	Location (e.g. circuit designation)	Test conditions	Parameters			ES Class
				Duration (ms)	Upk (V)	Ipk (mA)	
--	--	--	--	--	--		--

5.2.2.5 - Repetitive Pulses

No.	Supply Voltage	Location (e.g. circuit designation)	Test conditions	Parameters			ES Class
				Off time (ms)	Upk (V)	Ipk (mA)	
--	--	--	--	--	--		--

Test Conditions:

Normal –

Abnormal -

Supplementary information: SC=Short Circuit, OC=Short Circuit

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature measurements					P
	Supply voltage (V) ..... :	230VAC	--	--	--	—
	Ambient T_{min} (°C) ..... :	24.5	--	--	--	—
	Ambient T_{max} (°C) ..... :	24.2	--	--	--	—
	Tma (°C) ..... :	25.0	Shift to 40.0	--	--	—

Maximum measured temperature T of part/at:	T (°C)				Allowed T_{max} (°C)
Monitor					
Input terminal	26.3	41.3	--	--	94
EC2	31.6	46.6	--	--	105
PCB near U1	41.5	56.5	--	--	130
Screen surface	26.2	41.2	--	--	94
Internal enclosure	33.1	48.1	--	--	94
Internal enclosure	26.7	41.7	--	--	94
Call-station					
Input terminal	26.5	41.5	--	--	94
PCB near U1	38.6	53.6	--	--	130
EC14	36.1	51.1	--	--	105
Internal enclosure	35.5	50.5	--	--	94
Internal enclosure	27.5	42.5	--	--	94
Ambient	25.0	40.0	--	--	Ref

Supplementary information:

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:

5.4.1.10.2	TABLE: Vicat softening temperature of thermoplastics	N
Penetration (mm)..... :		—
Object/ Part No./Material	T softening (°C)	
--	--	
Supplementary information:		

5.4.1.10.3	TABLE: Ball pressure test of thermoplastics		N
Allowed impression diameter (mm) ..... :	≤ 2 mm		—
Object/Part No./Material	Test temperature (°C)	Impression diameter (mm)	
Supplementary information:			

5.4.2.2, 5.4.2.4 and 5.4.3	TABLE: Minimum Clearances/Creepage distance					
Clearance (cl) and creepage distance (cr) at/of/between:	Up (V)	U r.m.s. (V)	equired cl (mm)	cl (mm)	Required cr (mm)	cr (mm)
Supplementary information:						

5.4.4.2, 5.4.4.5 c) 5.4.4.9	**TABLE: Distance through insulation measurements**	N

Distance through insulation di at/of:	Required DTI (mm)	DTI (mm)
Supplementary information:		

5.4.9	**TABLE: Electric strength tests**	**N**

Test voltage applied between:	Voltage shape (AC, DC)	Test voltage (V d.c.)	Breakdown Yes / No
Supplementary information:			

5.5.2.2	**TABLE: Stored discharge on capacitors**	N

Supply Voltage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification

Notes:

A. Test Location:

Phase to Neutral; Phase to Phase; Phase to Earth; and/or Neutral to Earth

B. Operating condition abbreviations:

N – Normal operating condition (e.g., normal operation, or open fuse); S –Single fault condition

5.6.6.2	TABLE: Resistance of protective conductors and terminations				--
Accessible part		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
--		--	--	--	--
Supplementary information:					

6.2.2	TABLE: Electrical power sources (PS) measurements for classification				N
Source	Description	Measurement	Max Power after 3 s	Max Power after 5 s*)	PS Classification
A		Power (W) .... :			
		VA (V) ..... :			
		IA (A) ..... :			
Supplementary Information:					

6.2.3.1	TABLE: Determination of Potential Ignition Sources (Arcing PIS)				N
Location		Open circuit voltage After 3 s (Vp)	Measured r.m.s current (Irms)	Calculated value (V_p x I_{rms})	Arcing PIS? Yes / No
--		--	--	--	--
Supplementary information: An Arcing PIS requires a minimum of 50 V (peak) a.c. or d.c. An Arcing PIS is established when the product of the open circuit voltage (V_p) and normal operating condition rms current (I_{rms}) is greater than 15.					

6.2.3.2	TABLE: Determination of Potential Ignition Sources (Resistive PIS)				N
Circuit Location (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No
--	--	--	--	--	--

Supplementary Information:

A combination of voltmeter, VA and ammeter IA may be used instead of a wattmeter.

If a separate voltmeter and ammeter are used, the product of (VA x IA) is used to determine Resistive PIS classification.

A Resistive PIS: (a) dissipates more than 15 W, measured after 30 s of normal operation, or (b) under single fault conditions has either a power exceeding 100 W measured immediately after the introduction of the fault if electronic circuits, regulators or PTC devices are used, or has an available power exceeding 15 W measured 30 s after introduction of the fault.

B.2.5	**TABLE: Input test**						P
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
230VAC	0.42	0.5	--	--	--	--	Normal work
Supplementary information:							

B.3& B.4	**TABLE: Abnormal operating condition tests and Fault condition tests**						P
Ambient temperature (°C) .....:					25		—
Power source for EUT: Manufacturer, model/type, output rating .:					--		—
Component No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current, (A)	Observation	
Monitor							
DC2	s-c	230VAC	10min.	--	--	As normal work	
P1(M+ and M-)	s-c	230VAC	10min	--	--	Unit shutdown immediately, can be recoverable, no damaged, no hazards.	
U2	s-c	230VAC	10min	--	--	Unit shutdown immediately, can be recoverable, no damaged, no hazards.	
Supplementary information: Test table is provided to record abnormal and fault conditions for all applicable energy sources including Thermal burn injury. Column “Abnormal/Fault.” Specify if test condition by indicating “Abnormal” then the condition for a Clause B.3 test or “Single Fault” then the condition for Clause B.4.							

Annex M	**TABLE: Batteries**	N
The tests of Annex M are applicable only when appropriate battery data is not available		--
Is it possible to install the battery in a reverse polarity position? .....:		--

	Non-rechargeable batteries			Rechargeable batteries					
	Discharging		Un-intentional charging	Charging		Discharging		Reversed charging	
	Meas. current	Manuf. Specs.		Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during normal condition	--	--	--	--	--	--	--	--	--
Max. current during fault condition	--	--	--	--	--	--	--	--	--

Test results:	No chemical leaks	N
- Chemical leaks	No explosion	N
- Explosion of the battery	No emission of flame or expulsion of molten metal	N
- Emission of flame or expulsion of molten metal	No test require	N
- Electric strength tests of equipment after completion of tests		N
Supplementary information:		

Annex M.4	**TABLE: Additional safeguards for equipment containing secondary lithium batteries**	N

Battery/Cell No.	Test conditions	Measurements			Observation
		U	I (A)	Temp (C)	
--	--	--	--	--	--

Supplementary Information:

Battery identification	Charging at T_{lowest} (°C)	Observation	Charging at $T_{highest}$ (°C)	Observation

Battery identification	Charging at T_{lowest} (°C)	Observation	Charging at $T_{highest}$ (°C)	Observation
--	--	--	--	--
Supplementary Information:				

Annex Q.1	**TABLE: Circuits intended for interconnection with building wiring (LPS)**					N
Note: Measured UOC (V) with all load circuits disconnected:						
Output Circuit	Components	U_{oc} (V)	I_{sc} (A)		S (VA)	
			Meas.	Limit	Meas.	Limit
--	--	--	--	--	--	--
Supplementary Information: SC=Short circuit, OC=Open circuit						

Appendix 1

Equipment List

No.	Equipment	Manufacturer	Model No.	Serial No.	Calibration date	Calibration due date
SE001	Data Acquisition / Switch Unit	Agilent	34970A	MY44011615	2020.9.26	2021.9.25
SE002	Thermocouple wire	OMEGA	TT-K-30-1000	kxff	2020.9.26	2021.9.25
SE003	Temp. & Humid. Chamber	Gongwen	GDS-250	080943	2020.9.26	2021.9.25
SE004	Oven Chamber	Rongfeng	101A-3	31446	2020.9.26	2021.9.25
SE005	DC Electronic Load	Arry	3711A	A06BI03017	2020.9.26	2021.9.25
SE006	DC Electronic Load	Arry	3711A	A06BI02095	2020.9.26	2021.9.25
SE007	DC Electronic Load	Arry	3711A	A06BI03015	2020.9.26	2021.9.25
SE008	DC Electronic Load	Arry	3711A	A06BH02122	2020.9.26	2021.9.25
SE009	Oscilloscope	Tektronix	TDS3012B	YT204842	2020.9.26	2021.9.25
SE010	Digital Power Meter	Qingzhi	8716C	870806042	2020.9.26	2021.9.25
SE011	Digital Power Meter	Qingzhi	8716C	870806037	2020.9.26	2021.9.25
SE012	Ohm Meter	Yang Zi	YD2511	11-2250	2020.9.26	2021.9.25
SE013	Multi Meter	Fluke	115C	96721596	2020.9.26	2021.9.25
SE014	Desktop Multi Meter	Fluke	45	7662018	2020.9.26	2021.9.25
SE015	Desktop Multi Meter	Fluke	45	8095018	2020.9.26	2021.9.25
SE016	Desktop Multi Meter	Fluke	45	6792039	2020.9.26	2021.9.25
SE017	Grounding Bond Meter	Yang Zhi	YD2654B	548-053	2020.9.26	2021.9.25
SE018	Leakage Current Meter	EXTECH	7611	1330848	2020.9.26	2021.9.25
SE019	Insulation Resistance Tester	Yang Zhi	YD9820A	20A-1734	2020.9.26	2021.9.25
SE020	Hi-Pot Tester	Yang Zhi	YD2650A	088	2020.9.26	2021.9.25
SE021	Electronic Scale	Balance	BCSS-F-6	081050	2020.9.26	2021.9.25
SE022	Push-Pull Scale	Algol	NK-300	67420	2020.9.26	2021.9.25
SE023	Digital Caliper	Yitu	YT211	P840156	2020.9.26	2021.9.25
SE024	Electronic Thermo-Hygrometer	S.H.Qixiang	CTH-608	GC-WS608	2020.9.26	2021.9.25
SE025	Goniometer	Wenzhou	JZC-B2	15032	2020.9.26	2021.9.25
SE026	Tumbling Barrel	Zhilitong	GT-1	G010308	2020.9.26	2021.9.25
SE027	Audio Generator	LWDQGS	TAG-101	308909	2020.9.26	2021.9.25
SE028	Noise Generator	DF	DF1681	071001107	2020.9.26	2021.9.25
SE029	Plug Torque Tester	Zhilitong	LJ-1	LJ010908	2020.9.26	2021.9.25
SE030	Test Probe 13	Zhilitong	TP13	D3L15	2020.9.26	2021.9.25
SE031	Test Probe 41	Zhilitiong	TP41	D30L80	2020.9.26	2021.9.25
SE032	Finger Nail Probe	Zhilitong	FN-1	D12N30	2020.9.26	2021.9.25
SE033	Test Finger Probe B	Zhilitong	TF-B	D12J3	2020.9.26	2021.9.25
SE034	Rigid Finger Probe	Zhilitong	RFP	D12N50	2020.9.26	2021.9.25
SE035	Test Probe	Zhilitong	D4L100	60065-913	2020.9.26	2021.9.25
SE036	Test Probe C	Zhilitong	TP-C	60065-915	2020.9.26	2021.9.25
SE037	Test Probe D	Zhilitong	TP-D	60065-914	2020.9.26	2021.9.25
SE038	Test Probe	Zhilitong	FG2C	D12L80	2020.9.26	2021.9.25
SE039	Test hook	Zhilitong	TH-1	W8L180T1	2020.9.26	2021.9.25
SE040	Accessibility Probe	Zhilitong	ZA-1	A1310	2020.9.26	2021.9.25
SE041	UL Finger Probe	Zhilitong	ULP-01	D5L97	2020.9.26	2021.9.25
SE042	Steel Ball	Zhilitong	GQ-1	G121008	2020.9.26	2021.9.25
SE043	Ball Pressure Tester	Sinna	SN3407	08051808	2020.9.26	2021.9.25
SE044	Ball Pressure Tester	Sinna	SN3407	08082302	2020.9.26	2021.9.25
SE045	Hammer	Sinna	SN3406	08083102	2020.9.26	2021.9.25
SE046	Torque Driver	kanon	12LTDK	08G338	2020.9.26	2021.9.25
SE047	Glow Wire Test Set	Sinna	ZRS-2	08091118	2020.9.26	2021.9.25
SE048	Needle Flame Test Set	Sinna	ZY-2	08091125	2020.9.26	2021.9.25
SE049	Switching Mode DC Power Supply	Manson	SIM-9106	G360800228	2020.9.26	2021.9.25
SE050	Hardened steel pin	Zhilitong	SC30	R25N30	2020.9.26	2021.9.25
SE051	Platform scale	shanghai	TGT-100	526	2020.9.26	2021.9.25
SE052	Salt spary tester	Jiahui	JH-60	176358	2020.9.26	2021.9.25
SE053	Test rod	Zhilitong	TZ-14	D40N5	2020.9.26	2021.9.25
SE054	Vibration tester	shengshiwei	SW-TF	20100228	2020.9.26	2021.9.25
SE055	Surge tester	Ceprei	1065A	0503Y01	2020.9.26	2021.9.25
SE056	Digital Power Meter	Qingzhi	8713B1	870909080	2020.9.26	2021.9.25

Equipment List

No.	Equipment	Manufacturer	Model No.	Serial No.	Calibration date	Calibration due date
SE057	Dust chamber	Gongwen	SC-500	100311	2020.9.26	2021.9.25
SE058	Draught-proof enclosure	Tengbo	TB180	Q100226	2020.9.26	2021.9.25
SE059	Hammer	Zhilitong	CJ-3	C031026	2020.9.26	2021.9.25
SE060	Hammer	Zhilitong	CJ-3	C031027	2020.9.26	2021.9.25
SE061	Hammer	Zhilitong	CJ-3	C031028	2020.9.26	2021.9.25
SE062	Data Acquisition / Switch Unit	Agilent	34970A	US37013205	2020.9.26	2021.9.25
SE063	Leakage Current Tester	Simpson	228	7173286	2020.9.26	2021.9.25
SE064	Temp. & Humid. Chamber	Weihuang	WHTH-1000-40-880	100631	2020.9.26	2021.9.25
SE065	Salt spary tester	Henqiang	KH-160	/	2020.9.26	2021.9.25
SE066	Oscillating tube	damsion	DMS-E01	2011DNS-E010401	2020.9.26	2021.9.25
SE067	Spray nozzle	Lihui	LH56	63125	2020.9.26	2021.9.25
SE068	Immersion tester	kunshang	IPX7-1	SK2018M5	2020.9.26	2021.9.25
SE069	Test Probe 18	Aodesaichuang	AUTO-18	auto110721-18-01	2020.9.26	2021.9.25
SE070	Test Probe 19	Aodesaichuang	AUTO-19	auto110721-19-02	2020.9.26	2021.9.25
SE071	Data Acquisition / Switch Unit	Agilent	34970A	MY44052414	2020.9.26	2021.9.25
SE072	Data Acquisition / Switch Unit	Agilent	34970A	MY44052411	2020.9.26	2021.9.25
SE073	Digital Power Meter	Yokogawa	WT210	91K223105	2020.9.26	2021.9.25
SE074	Desktop Multi Meter	Agilent	34401A	MY44008459	2020.9.26	2021.9.25
SE075	Desktop Multi Meter	Agilent	34401A	MY44008472	2020.9.26	2021.9.25
SE076	Hi-Pot Tester	ME I RUIKE	RK2672D	RK72D111130-010	2020.9.26	2021.9.25
SE077	Switching Mode Power Supply	ZHAOXIN	KXN-6030D	KXN.PS.JPS	2020.9.26	2021.9.25
SE078	Torque Driver	Aigu	10DPSK	356019	2020.9.26	2021.9.25
SE079	Magnifying glass	German	10x	12234	2020.9.26	2021.9.25
SE080	Regulated Power Supply	APC	AFC-11010G	F310120052	2020.9.26	2021.9.25
SE081	Air Pressure Gauge	Tianya	N509	/	2020.9.26	2021.9.25
SE082	Step Temperature Room	Long An	LA-ORT28	LA-201206001	2020.9.26	2021.9.25
SE083	"GO“ Gauge for E27 Caps	KINGPO	7006-27B-1	8688	2020.9.26	2021.9.25
SE084	"NOT GO“ Gauge for E27 Caps	KINGPO	7006-28A-1	8689	2020.9.26	2021.9.25
SE085	"GO“ Gauge for dimension "S1" of E27 Caps	KINGPO	7006-27C-1	8691	2020.9.26	2021.9.25
SE086	Gauge for E27 Caps for testing contact making	KINGPO	7006-50-1	8693	2020.9.26	2021.9.25

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SE087	Gauge for E27 Caps for testing protection against accidental contact during insertion	KINGPO	7006-51A-2	8690	2020.9.26	2020.9.25
SE088	Oscilloscope	Tektronix	TDS3012B	C010353	2020.9.26	2021.9.25
SE089	Single wing drop tester	FEILING	FL8618	/	2020.9.26	2021.9.25
SE090	Data Acquisition / Switch Unit	Agilent	34970A	MY44006829	2020.9.26	2021.9.25
SE091	Thermocouple wire	OMEGA	TT-J-30-1000	/	2020.9.26	2021.9.25
SE092	Touch current tester	Ceprei	410B	1207AG10	2020.9.26	2021.9.25
SE093	Cord oscillating tester	Dongguan lixiong	LX-1211	/	2020.9.26	2021.9.25
SE094	Lampholder digital torsion meter	Inventfine Instrument Co., Ltd.	CH338	1301004	2020.9.26	2021.9.25
SE095	Straight steel pin	KINGPO	SE095	/	2020.9.26	2021.9.25
SE096	Digital Caliper	Guanglu	SF2000	C1211225254	2020.9.26	2021.9.25
SE097	Digital Caliper	Guanglu	SF2000	C1211225024	2020.9.26	2021.9.25
SE098	Timer	PURSUN	PS-528	/	2020.9.26	2021.9.25
SE099	Timer	PURSUN	PS-528	/	2020.9.26	2021.9.25
SE100	Switching Mode DC Power Supply	GW INSTEK	GPS-1850D	EN820728	2020.9.26	2021.9.25
SE101	Digital Power Meter	EVERFINE	PF9901	1005046	2020.9.26	2021.9.25
SE102	Digital Power Meter	EVERFINE	PF9901	G100731CJ6331237	2020.9.26	2021.9.25
SE103	Tape line	YANGGUANG	YG-206	/	2020.9.26	2021.9.25
SE104	Electronic Thermo-Hygrometer	UYIGAO	CTH-608	UA13706944	2020.9.26	2021.9.25
SE105	Pressure Gauge	ZHHY	SE105	/	2020.9.26	2021.9.25
SE106	"GO“ Gauge for E14 Caps	GRT/china	7006-27F-1	2013053131	2020.9.26	2021.9.25
SE107	"NOT GO“ Gauge for E14 Caps	GRT/china	7006-28B-1	2013053126	2020.9.26	2021.9.25
SE108	"GO“ Gauge for dimension "S1" of E14 Caps	GRT/china	7006-27G-1	2013053132	2020.9.26	2021.9.25
SE109	Gauge for E14 Caps for testing contact making	GRT/china	7006-54-2	2013053128	2020.9.26	2021.9.25
SE110	Gauge for E14 Caps for testing protection against accidental contact during insertion	GRT/china	7006-55-2	2013053129	2020.9.26	2021.9.25
SE111	"GO“ and "NOT GO“ Gauge for base GU10	KINGPO	7006-121-1	KingPo12485237	2020.9.26	2021.9.25
SE112	"GO“ plug gauge for E12 lampholder	GRT/china	7006-25C-1	20130512135005	2020.9.26	2021.9.25

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SE113	"NOT GO“ plug gauge for E12 lampholder	GRT/china	7006-26B-1	20130512135006	2020.9.26	2021.9.25
SE114	"GO“ Gauge for E26 Caps	GRT/china	7006-27D-3	2013053135	2020.9.26	2021.9.25
SE115	"NOT GO“ Gauge for E26 Caps	GRT/china	7006-29L-4	2013053125	2020.9.26	2021.9.25
SE116	"GO“ Gauge for E40 Caps	ANGUI TESTING	7006-27-7	20140405	2020.9.26	2021.9.25
SE117	"NOT GO“ Gauge for E40 Caps	ANGUI TESTING	7006-28D-1	20140406	2020.9.26	2021.9.25
SE118	Gauge for E40 Caps for testing contact making	ANGUI TESTING	7006-52-1	20140407	2020.9.26	2021.9.25
SE119	Gauge for E40 Caps for testing protection against accidental contact during insertion	ANGUI TESTING	7006-53-1	20140408	2020.9.26	2021.9.25
SE120	"Go" gauge for bi-pin cap on finished lamps G13	KINGPO	7006-45-4	KingPo12485238	2020.9.26	2021.9.25
SE121	"Go" gauge for bi-pin cap on finished lamps G5	KINGPO	7006-46A-3	KingPo12485230	2020.9.26	2021.9.25
SE122	Gauge for three-pin flat-pin plugs（10A）	KINGPO	AS/NZS 3112 Fig A 10A	KingPo12485231	2020.9.26	2021.9.25
SE123	Gauge for three-pin flat-pin plugs (15A)	KINGPO	AS/NZS 3112 Fig A 15A	KingPo12485232	2020.9.26	2021.9.25
SE124	Gauge for three-pin flat-pin plugs (20A)	KINGPO	AS/NZS 3112 Fig A 20A	KingPo12485233	2020.9.26	2021.9.25
SE125	Gauge for two-pin flat-pin plugs with parallel pins	KINGPO	AS/NZS 3112 Fig B	KingPo12485236	2020.9.26	2021.9.25
SE126	Gauge for flat and round pin plugs (two flat live pins and a round earth pin)	KINGPO	AS/NZS 3112 Fig F-A	KingPo12485234	2020.9.26	2021.9.25
SE127	Gauge for flat and round pin plugs (two round live pins and a flat earth pin)	KINGPO	AS/NZS 3112 Fig F-B	KingPo12485235	2020.9.26	2021.9.25
SE128	Transport type simulation vibration tester	KING DESIGN	KD-9363-550-PC	LT0PCLA13003	2020.9.26	2021.9.25
SE129	Oven Chamber	Rongfeng	101A-3	33897	2020.9.26	2021.9.25
SE130	"Go" gauges for caps on finished lamps B22	ANGUI TESTING	7006-11-8	20140404	2020.9.26	2021.9.25
SE131	"Not Go" gauges for caps on finished lamps B22	ANGUI TESTING	7006-10-8	20140403	2020.9.26	2021.9.25
SE132	Gauges for testing the insertion of caps in lampholders B22d	ANGUI TESTING	7006-4A-2	20140401	2020.9.26	2021.9.25
SE133	Gauges for testing the retention of B22d caps in the holder	ANGUI TESTING	7006-4B-1	20140402	2020.9.26	2021.9.25

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SE134	1000:1 Oscillograph Probe	Pintek	HVP-18HF	13010082	2020.9.26	2021.9.25
SE135	100:1 Oscillograph Probe	Pintek	CP-3308R	/	2020.9.26	2021.9.25
SE136	AC power source	All power	APW-150N	930607	2020.9.26	2021.9.25
SE137	Horizonal&vertical tester	AUTOSTRONG	AUTO-SPA	AUTO1033	2020.9.26	2021.9.25
SE138	Tracking index tester	AUTOSTRONG	AUTO-LDA	AUTO1040	2020.9.26	2021.9.25
SE139	Vicat softening tester	AUTOSTRONG	AUTO-WK	/	2020.9.26	2021.9.25
SE140	Electroplated coating thickness tester	Guangzhou Dongru electronic	DR280	9324	2020.9.26	2021.9.25
SE141	Battery Tester	DG	W602	DG2014W6021772	2020.9.26	2021.9.25
SE142	Test plug for antenna coaxial sockets	ANGUI TESTING	AG-IEC60065 F9	/	2020.9.26	2021.9.25
SE143	SHORE D Durometer	Handpi	LX-D	8134006969	2020.9.26	2021.9.25
SE144	Steel Ball	ANGUI TESTING	GQ-2	/	2020.9.26	2021.9.25
SE145	"Go" gauges for caps on finished lamps B15	ANGUI TESTING	7006-11-8	140728017	2020.9.26	2021.9.25
SE146	"Not Go" gauges for caps on finished lamps B15	ANGUI TESTING	7006-10-8	140728010	2020.9.26	2021.9.25
SE147	Gauges for testing the insertion of caps in lampholders B15d	ANGUI TESTING	7006-4A-2	140728004	2020.9.26	2021.9.25
SE148	Gauges for testing the retention of B15d caps in the holder	ANGUI TESTING	7006-4B-1	140728009	2020.9.26	2021.9.25
SE149	"GO“ Gauge for E39 Caps	ANGUI TESTING	7006-24B-1	144509	2020.9.26	2021.9.25
SE150	Gauge for E39 Caps for testing contact making	ANGUI TESTING	7006-24A-1	144511	2020.9.26	2021.9.25
SE151	"NOT GO“ Gauge for E39 Caps	ANGUI TESTING	7006-24C-1	144510	2020.9.26	2021.9.25
SE152	Noise Generator/filter	ZCTEK	ZC6221	ZC14020178	2020.9.26	2021.9.25
SE153	Hi-Pot Tester	ME I RUIKE	RK2671C	RK71C-BEAI005	2020.9.26	2021.9.25
SE154	Data Acquisition / Switch Unit	Agilent	34970A	MY44064740	2020.9.26	2021.9.25
SE155	PVC componds pressure tester at high temperature	ANGUI TESTING	AG8113F1	/	2020.9.26	2021.9.25
SE156	Low Pressure Tester	BELL	BE-ZK-125	201505250002	2020.9.26	2021.9.25
SE157	Thermal abuse chamber	BELL	BE-101-480B	201505250003	2020.9.26	2021.9.25
SE158	Temperature control short-circuit tester	BELL	BE-1000W	201505250004	2020.9.26	2021.9.25
SE159	Projectile Tester	BELL	BE-6046	201505250005	2020.9.26	2021.9.25
SE160	Test machine for forced internal short circuit of cells	BELL	BE-6045W	201505250006	2020.9.26	2021.9.25
SE161	Crush tester	BELL	BE-6045-2T	201505250007	2020.9.26	2021.9.25

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SE162	Rapid temperature test chamber	BELL	BTKS-408C-5	201505250008	2020.9.26	2021.9.25
SE163	Mechanical shock(crash hazard)	BELL	BE-5066	201505250009	2020.9.26	2021.9.25
SE164	Battery Testing System	NEWARE	CT-3008-5V10 A-204	T1505-080859	2020.9.26	2021.9.25
SE165	Battery Testing System	NEWARE	CT-3008-5V10 A-204	T1505-080860	2020.9.26	2021.9.25
SE166	Battery Testing System	NEWARE	CT-3008-20V6 A-A	T1505-080861	2020.9.26	2021.9.25
SE167	Shock tester	LABTONE	HSKT10	L150529	2020.9.26	2021.9.25
SE168	Electromagnetic vibration tester	LABTONE	CV-700	L150530	2020.9.26	2021.9.25
SE169	Electronic scales	JM	JM-A	/	2020.9.26	2021.9.25
SE170	Digital Power Meter	EVERFINE	PF9901	G100731CO1351 143	2020.9.26	2021.9.25
SE171	"GO“ and "NOT GO“ Gauge for starters	KINGPO	IEC 60155 Fig 6	/	2020.9.26	2021.9.25
SE172	"NOT GO“ Gauge for starters	KINGPO	IEC 60155 Fig 7	/	2020.9.26	2021.9.25
SE173	"GO“ Gauge for starters	KINGPO	IEC 60155 Fig 8	/	2020.9.26	2021.9.25
SE174	Internal resistance tester	TestPad	BTS-100	IR09100699	2020.9.26	2021.9.25
SE175	DC Electronic Load	PRODIGIT	3302C	80602C 446	2020.9.26	2021.9.25
SE176	DC Electronic Load	PRODIGIT	3302C	25689721698	2020.9.26	2021.9.25
SE177	Data Acquisition / Switch Unit	Agilent	34970A	MY44041739	2020.9.26	2021.9.25
SE178	Data Acquisition / Switch Unit	Agilent	34970A	US37043094	2020.9.26	2021.9.25
SE179	100:1 Oscillograph Probe	Pintek	CP-3308R	/	2020.9.26	2021.9.25
SE180	Digital Power Meter	EVERFINE	PF9901	G100731CN1351 244	2020.9.26	2021.9.25
SE181	Cord oscillating tester	Futexing	FT-CWT03	CWT1604001	2020.9.26	2021.9.25
SE182	Pointer type DC current meter	Shanghai Liangbiao	C31-A	6003	2020.9.26	2021.9.25
SE183	Three phase ammeter	Chengdu Huayi	PMH8161-9K4	20100604801	2020.9.26	2021.9.25
SE184	Shunt	pulianchuang	FL-2/0.5 50A	/	2020.9.26	2021.9.25
SE185	Shunt	pulianchuang	FL-2/0.5 200A	/	2020.9.26	2021.9.25
SE186	Creepage distance testing card-Straight card	ANGUI TESTING	SE-A141	/	2020.9.26	2021.9.25
SE187	Creepage distance testing card-Bending card	ANGUI TESTING	SE-A142	/	2020.9.26	2021.9.25
SE188	Conductivity Meters	leici	DDS-11A	163	2020.9.26	2021.9.25

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SE189	Manual Supercharger	Zhejiang Yuhuang	SB-10Mpa	/	2020.9.26	2021.9.25
SE190	Grounding resistance meter	hangzhoudongshun	ZC29B-2	/	2020.9.26	2021.9.25
SE191	AC power source	All power	AFW-210A	992429	2020.9.26	2021.9.25
SE192	Digital Power Meter	EVERFINE	PF9901	G135716CM5361147	2020.9.26	2021.9.25
SE193	High Accuracy Array Spectrora	EVERFINE	HAAS-2000-IR1	M112279CM1361113	2020.9.26	2021.9.25
SE194	UV-VIS-NIR Spectroradiometer for Photobiological Safety Analysis	EVERFINE	PMS-700	G107114CJ1341112	2020.9.26	2021.9.25
SE195	Band Radiometer	EVERFINE	RD-2000F	G114280CM1361115	2020.9.26	2021.9.25
SE196	Pupil Imaging Radiance Meter	EVERFINE	CX-2K	G132536CF1361113	2020.9.26	2021.9.25
SE197	Digital Power Meter	EVERFINE	PF9811	G135717CJ7361129	2020.9.26	2021.9.25
SE198	Digital CC&CV DC Power Supply	EVERFINE	WY3010	G111418CM5361135	2020.9.26	2021.9.25
SE199	AC Power Source	EVERFINE	DPS1005	G119890CJ6361133	2020.9.26	2021.9.25
SE200	Spectral irradiance standard lamp	EVERFINE	D204BH	G100284CA1361114	2020.9.26	2021.9.25
SE201	Standard luminance source	EVERFINE	SLS-150	G137329CJ6361112	2020.9.26	2021.9.25
SE202	Standard lamp of ultraviolet radiation	EVERFINE	SIS-631	G110132CA1361120	2020.9.26	2021.9.25
SE203	Falling water drops device	Gongwen	DJ-B	/	2020.9.26	2021.9.25
SE204	Continuous immersion in water device	Gongwen	X8	161130	2020.9.26	2021.9.25
SE205	Torque Driver	kanon	30LTDK	/	2020.9.26	2021.9.25
SE206	Gauge for single-phase two-pole plug	ANGUI TESTING	AGGB02F6	/	2020.9.26	2021.9.25
SE207	"GO“ and "Not Go" Gauge for plug pins	ANGUI TESTING	AGENF1GO	/	2020.9.26	2021.9.25
SE208	Gauge for pin diameter	ANGUI TESTING	AGENF2	/	2020.9.26	2021.9.25
SE209	Gauge for checking impossibility of single-pole insertion of into socket-outlets	ANGUI TESTING	AGENF4	/	2020.9.26	2021.9.25

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SE210	Gauge for plug pins	ANGUI TESTING	AGBS1363F5	/	2020.9.26	2021.9.25
SE211	12.5mm steel ball	ANGUI TESTING	ST-12.5	/	2020.9.26	2021.9.25
SE212	Electronic Thermo-Hygrometer	Boyang	HTC-1	SE212	2020.9.26	2021.9.25
SE213	Electronic Thermo-Hygrometer	Boyang	HTC-1	SE213	2020.9.26	2021.9.25
SE214	Electronic Thermo-Hygrometer	Boyang	HTC-1	SE214	2020.9.26	2021.9.25
SE215	Electronic Thermo-Hygrometer	Boyang	HTC-1	SE215	2020.9.26	2021.9.25
SE216	Electronic Thermo-Hygrometer	Boyang	HTC-1	SE216	2020.9.26	2021.9.25
SE217	Electronic Thermo-Hygrometer	Boyang	HTC-1	SE217	2020.9.26	2021.9.25
SE218	Visual IR Thermometer	FLUKE	VT04	VT04-14060109	2020.9.26	2021.9.25

EXHIBIT 1 - PRODUCT LABELING

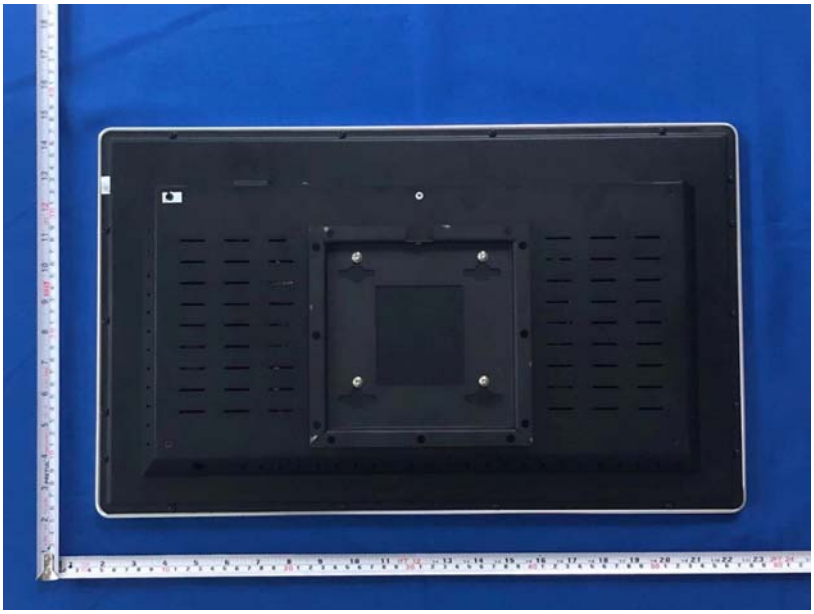
Proposed CE Label Format

Specifications: Text is Black in color and is justified. Labels are printed in indelible ink on permanent adhesive backing or silk-screened onto the EUT or shall be affixed at a conspicuous location on the EUT. The ‘CE’ marking must be affixed to the EUT or to its data plate. Where this is not possible or not warranted on account of the nature of the apparatus, it must be affixed to the packaging, if any, and to the accompanying documents. The ‘CE’ marking must have a height of at least 5 mm. If the ‘CE’ marking is reduced or enlarged the proportions given in the above graduated drawing must be respected.

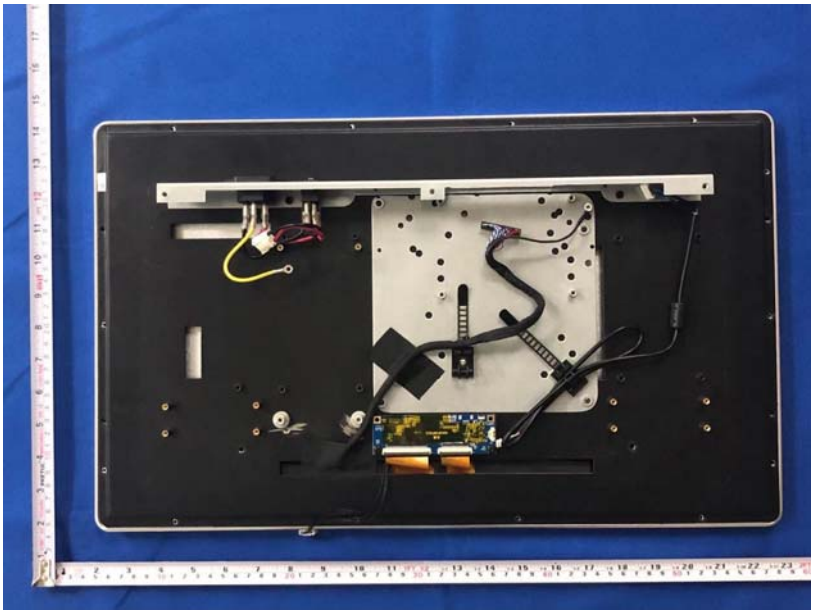
EXHIBIT 2 - EUT PHOTOGRAPHS

EUT View 1

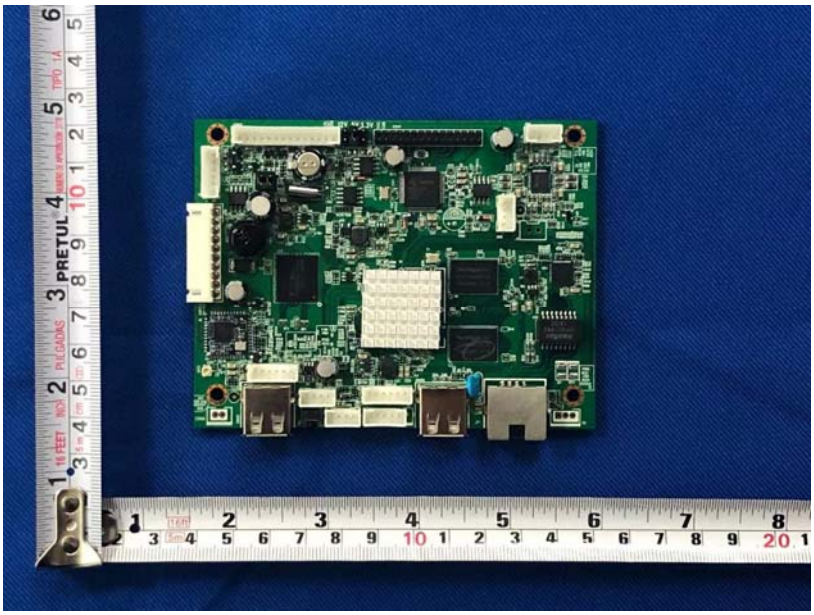
EUT View 2



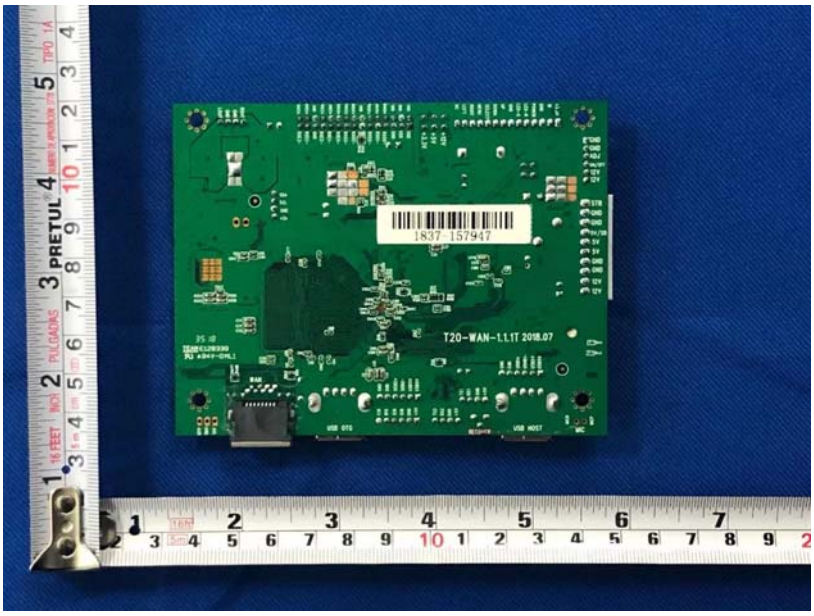
Internal photo 1



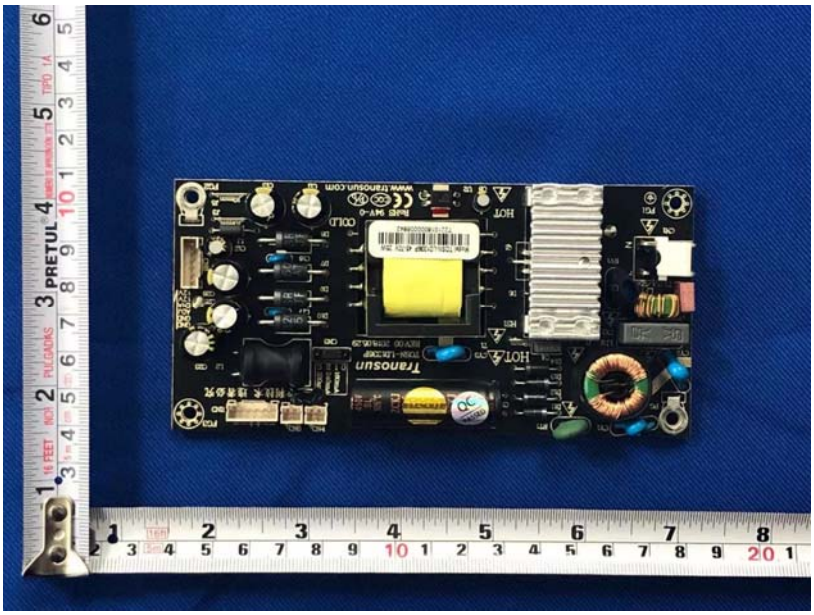
Internal photo 2



Internal photo 3



Internal photo 4



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