



TEST REPORT IEC 62368-1 Audio/video, information and communication technology equipment Part 1: Safety requirements Report Number ZL/2021/20064 Date of issue..... 2021-06-24 Total number of pages 53 SGS Taiwan Ltd., Safety Laboratory Name of Testing Laboratory preparing the Report.....: Sixfab, Inc. Applicant's name: Address.....: 75 E. Santa Clara St. Suite 900 San Jose, CA 95113, United States of America Test specification: Standard.....: IEC 62368-1:2014 Test procedure: Commission testing Non-standard test method: N/A IECEE OD-2020-F1:2020, Ed.1.3 TRF template used: Test Report Form No.: IEC62368 1D modify by SGS TW Test Report Form(s) Originator ...: UL(US) Master TRF: Dated 2021-02-04 Copyright © 2021 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.

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Test Item description	3G – 4G/LTE Base HAT	
Trade Mark(s):	Sixfab	
Manufacturer	Same as applicant	
Model/Type reference:	S121	
Ratings:	5Vd.c., 3A	
		-
Responsible Testing Laboratory (as applicable), t	esting procedure and t	esting location(s):
Testing Laboratory:	SGS Taiwan Ltd., Safe	
Testing Laboratory: Testing location/ address:	No. 33, Wu Chyuan Ro	
	No. 33, Wu Chyuan Ro	ety Laboratory bad, New Taipei Industrial

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

Attachment 1: 10 pages of EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Attachment 2: 2 pages of Differences of Italy

Attachment 3: 1 pages of Photos

Summary of testing:

The sample(s) tested complies with the requirements of IEC 62368-1:2014.

The investigation of the product did not cover the functional characteristics of the equipment, only the safety aspects as laid out in IEC 62368-1 were subjected to the investigation.

The equipment is for building-in type and whole set will be embedded inside of the end of product; therefore, only limited tests were performed, other relevant tests shall be evaluated within the end of product.

Maximum normal load:

Equipment test with host computer (Raspberry Pi 4 Model B) and supplied by external power adapter (Kuantech / KSA-15E-051300HE) that provided by client. During the tests, the host computer connect to a monitor via mini HDMI port then play video, the I/O ports of host computer load to rated which shown as below.

Testing location:

As page 2

USB 2.0 port: connected with mouse.

USB 3.0 port A: connected with keyboard.

USB 3.0 port B: load to 0.9A.

Tests performed (name of test and test clause):

X 4.1.15 (F.3.10) Permanence of marking test

 \boxtimes 5.4.1.4 Maximum operating temperature for materials, components and system

 \boxtimes 6.2 Power source circuit classifications

6.4 (B.4) Single fault conditions

 \boxtimes 9.2 Thermal energy source classifications

B.2.5 Input test

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

EU Group Differences, EU Special National Conditions

List of countries addressed

CENELEC member countries (EU Group Differences, EU Special National Conditions): Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

The product fulfils the requirements of EN 62368-1:2014+A11:2017

The product fulfils the requirements of CEI EN 62368-1:2016

The product fulfils the requirements of BS EN 62368.1:2014+A11:2017

For National Differences see corresponding Attachment.

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Statement concerning the uncertainty of the measurement systems used for the tests (may be required by the product standard or client)

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

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

Statement not required by the standard used for type testing

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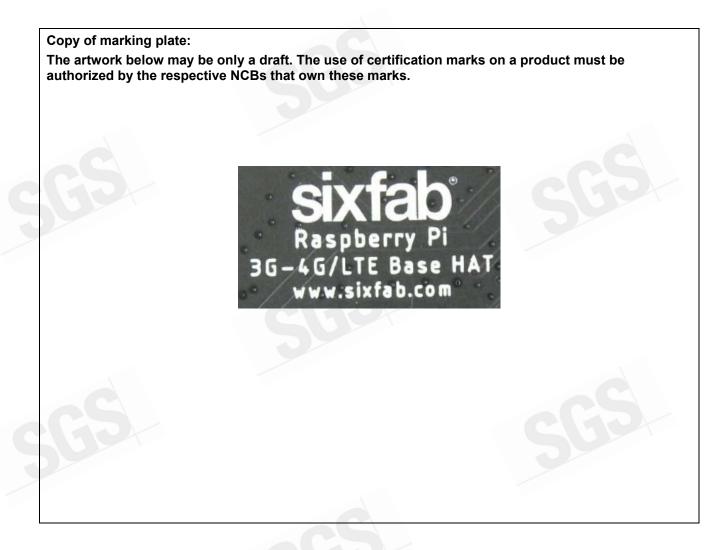
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TEST ITEM PARTICULARS:	
Classification of use by:	⊠ Ordinary person
	Instructed person
	Skilled person
	Children likely to be present
Supply Connection:	AC Mains DC Mains
	External Circuit - not Mains connected
	- 🛛 ES1 🗌 ES2 🗌 ES3
Supply % Tolerance:	□ +10%/-10%
	+20%/-15%
	□ + <u></u> %/ - <u>%</u>
	None
Supply Connection – Type:	
	non-detachable supply cord
	appliance coupler
	<pre>direct plug-in mating connector</pre>
	☐ Inating connector
	non-detachable supply cord
	appliance coupler
	permanent connection
	mating connector 🛛 other:_ <u>not Mains connected</u> _
Considered current rating of protective device as	A;
part of building or equipment installation:	Installation location: 🗌 building; 🗌 equipment
Equipment mobility:	movable hand-held transportable
	☐ stationary ☆ for building-in direct plug- in □ rack-mounting wall-mounted
Over voltage category (OVC):	
over voltage category (Ovo)	\bigcirc OVC IV \bigcirc other:
Class of equipment:	
	Class II with functional earthing
	Not classified
Access location	□ restricted access area
Pollution degree (PD):	□ PD 1
Manufacturer's specified maxium operating	70°C
ambient	
IP protection class	
Power Systems:	TN TT IT - V L-L; dc mains
	⊠ N/A
Altitude during operation (m)	⊠ 2000 m or less □ m
Altitude of test laboratory (m)	⊠ 2000 m or less □ m
	-

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Mass of equipment (kg)	⊠ <u>32 g</u>
Possible test case verdicts:	
	NIA
- test case does not apply to the test object	
- test object does meet the requirement:	
- test object does not meet the requirement:	F (Fall)
Testing:	
Date of receipt of test item:	
Date (s) of performance of tests:	2021-05-06 ~ 2021-05-18
General remarks:	
"(See Enclosure #)" refers to additional information ap "(See appended table)" refers to a table appended to th	
Throughout this report a \square comma / $oxtimes$ point is us	sed as the decimal separator.
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Model Differences – N/A

Additional application considerations - (Considerations used to test a component or sub-assembly) -

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ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:

(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.) (Note 2: The identified classification e.g., ES2, TS1, should be with respect to its ability to cause pain or injury on the body or its ability to ignite a combustible material. Any energy source can be declared Class 3 as a worse case classification e.g. PS3, ES3. Electrically-caused injury (Clause 5): (Note: Identify type of source, list sub-assembly or circuit designation and corresponding energy source classification) Example: +5 V dc input ES1 Source of electrical energy Corresponding classification (ES) Input 5Vd.c., 3A ES1 All internal circuits ES1 Electrically-caused fire (Clause 6): (Note: List sub-assembly or circuit designation and corresponding energy source classification) Example: Battery pack (maximum 85 watts): PS2 **Corresponding classification (PS)** Source of power or PIS Input 5Vd.c., 3A PS2 All internal circuits PS2 SIM card slot PS1 Injury caused by hazardous substances (Clause 7) (Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.) Example: Liquid in filled component Glycol Corresponding chemical Source of hazardous substances N/A None (Equipment for building-in, it must be evaluated in end-use product) Mechanically-caused injury (Clause 8) (Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.) Example: Wall mount unit MS2 Source of kinetic/mechanical energy **Corresponding classification (MS)** None (Equipment for building-in, it must be evaluated in N/A end-use product) Thermal burn injury (Clause 9) (Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.) Example: Hand-held scanner – thermoplastic enclosure TS1 Source of thermal energy **Corresponding classification (TS)** Components / PCB (However, the equipment is for TS1

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building-in, it must be evaluated in end-use product)

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ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:

Radiation (Clause 10)

(Note: List the types of radiation present in the product and the corresponding energy source classification.) Example: DVD – Class 1 Laser Product RS1 Type of radiation

Type of radiation	corresponding classification (NO)
LED indicator (However, the equipment is for building-in, it must be evaluated in end-use product)	RS1

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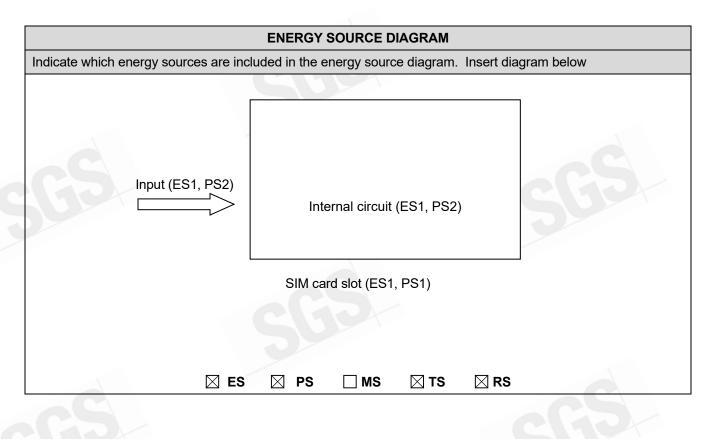
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Ordinary personES1: Input 5Vd.c., 3AN/AOrdinary personES1: All circuitN/A6.1Electrically-caused fireMaterial part (e.g. mouse enclosure)Energy Source (PS2: 100 Watt circuit)BasicPCBPS2: Input 5Vd.c., 3ASee 6.37.1Injury caused by hazardous substancesBody Part (e.g., skilled)Energy Source (hazardous material)Image: Comparison of the second se				
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9.1 Thermal Burn Body Part (e.g., Ordinary) Energy Source (TS2) Basic S	Supplementary	Reinforced (Enclosure)		
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(e.g., Ordinary) (TS2) Basic S				
Basic	Safeguards			
Ordinary persons TS1: Components / PCB N/A	Supplementary	Reinforced		
	N/A	N/A		
10.1 Radiation				
Body Part Energy Source	Safeguards			
(e.g., Ordinary) (Output from audio port) Basic S	Supplementary	Reinforced		
Ordinary persons RS1: Indicator LED N/A	N/A	N/A		
Supplementary Information:				

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Clause	Requirement + Test	Result - Remark	Verdict

4	GENERAL REQUIREMENTS		
4.1.1	Acceptance of materials, components and subassemblies	See appended Table 4.1.2.	Ρ
4.1.2	Use of components	Components which 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 presented in the equipment.	Р
4.1.3	Equipment design and construction	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.4	Safeguard robustness	See below.	N/A
4.4.4.2	Steady force tests:	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
4.4.4.3	Drop tests:	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
4.4.4.4	Impact tests:	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
4.4.4.6	Glass Impact tests	Not applicable.	N/A
4.4.4.7	Thermoplastic material tests:	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
4.4.4.8	Air comprising a safeguard:	No insulation comprising with air to act as a safeguard.	N/A
4.4.4.9	Accessibility and safeguard effectiveness	Not applicable.	N/A
4.5	Explosion	No explosion occurred.	N/A
4.6	Fixing of conductors	No conductors requiring safeguard.	N/A
4.6.1	Fix conductors not to defeat a safeguard		N/A
4.6.2	10 N force test applied to:	Not applicable.	N/A
4.7	Equipment for direct insertion into mains socket - outlets	Not direct plug-in equipment.	N/A
4.7.2	Mains plug part complies with the relevant standard	Refer to clause 4.7.	N/A
4.7.3	Torque (Nm):	Not applicable.	N/A
4.8	Products containing coin/button cell batteries	No battery in the equipment.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
4.8.2	Instructional safeguard		N/A
4.8.3	Battery Compartment Construction		N/A
	Means to reduce the possibility of children removing the battery:		
4.8.4	Battery Compartment Mechanical Tests:	Refer to clause 4.8.	N/A
4.8.5	Battery Accessibility		N/A
4.9	Likelihood of fire or shock due to entry of conductive object	Equipment is for building-in, it shall be evaluated in end-use product.	N/A

5	ELECTRICALLY-CAUSED INJURY		
5.2.1	Electrical energy source classifications:	The product is class III and classified as ES1.	Р
5.2.2	ES1, ES2 and ES3 limits	See below.	Р
5.2.2.2	Steady-state voltage and current:	All circuits are classified as ES1.	Р
5.2.2.3	Capacitance limits:	No capacitors as electrical energy source.	N/A
5.2.2.4	Single pulse limits	No single pulses generated.	N/A
5.2.2.5	Limits for repetitive pulses:	No repetitive pulses generated.	N/A
5.2.2.6	Ringing signals:	Not used an analogue telephone network ringing signal in the equipment.	N/A
5.2.2.7	Audio signals:	No audio signals.	N/A
5.3	Protection against electrical energy sources	No protection against electrical shock deemed to necessary for ES1 energy source.	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	C	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	CF	N/A
5.3.2.2	Contact requirements		N/A
	a) Test with test probe from Annex V	Refer to clause 5.3.	N/A
	b) Electric strength test potential (V)	Refer to clause 5.3.	N/A
	c) Air gap (mm):	Refer to clause 5.3.	N/A
5.3.2.4	Terminals for connecting stripped wire		N/A
5.4	Insulation materials and requirements		Р
5.4.1.2	Properties of insulating material	Class III equipment, only functional insulation in the equipment.	N/A
5.4.1.3	Humidity conditioning	Not applicable.	N/A

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5.4.1.4	Maximum operating temperature for insulating materials	For components, see Annex G and 4.1.2.	Р
5.4.1.5	Pollution degree:	PD2	
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound		N/A
5.4.1.5.3	Thermal cycling		N/A
5.4.1.6	Insulation in transformers with varying dimensions	No such component.	N/A
5.4.1.7	Insulation in circuits generating starting pulses	No such part.	N/A
5.4.1.8	Determination of working voltage	Not applicable.	N/A
5.4.1.9	Insulating surfaces	Not applicable.	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	No such part.	N/A
5.4.1.10.2	Vicat softening temperature:	Not applicable.	N/A
5.4.1.10.3	Ball pressure:	Not applicable.	N/A
5.4.2	Clearances	Only functional insulation is considered and complied with Annex B.4.4	N/A
5.4.2.2	Determining clearance using peak working voltage	Not applicable.	N/A
5.4.2.3	Determining clearance using required withstand voltage:	Class III equipment, no connected to mains.	N/A
	a) a.c. mains transient voltage:	Not applicable.	
	b) d.c. mains transient voltage:	Not applicable.	
	c) external circuit transient voltage:	Not applicable.	
	d) transient voltage determined by measurement	Not applicable.	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	CG	N/A
5.4.2.5	Multiplication factors for clearances and test voltages:	Not applicable.	N/A
5.4.3	Creepage distances:	Only functional insulation is considered and complied with Annex B.4.4.	N/A
5.4.3.1	General	Refer to clause 5.4.3.	N/A
5.4.3.3	Material Group:	Not applicable.	—
5.4.4	Solid insulation	No such insulation.	N/A
5.4.4.2	Minimum distance through insulation:	Not applicable.	N/A
5.4.4.3	Insulation compound forming solid insulation		N/A

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5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Cemented joints	No such parts.	N/A
5.4.4.6	Thin sheet material	No such parts.	N/A
5.4.4.6.1	General requirements		N/A
5.4.4.6.2	Separable thin sheet material		N/A
465	Number of layers (pcs):	Not applicable.	N/A
5.4.4.6.3	Non-separable thin sheet material		N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material:	Not applicable.	N/A
5.4.4.6.5	Mandrel test		N/A
5.4.4.7	Solid insulation in wound components	No such parts.	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	No such parts.	N/A
5.4.5	Antenna terminal insulation	No such parts.	N/A
5.4.5.1	General		N/A
5.4.5.2	Voltage surge test		N/A
	Insulation resistance (MΩ):	No such parts.	—
5.4.6	Insulation of internal wire as part of supplementary safeguard:	No such parts.	N/A
5.4.7	Tests for semiconductor components and for cemented joints	No such parts.	N/A
5.4.8	Humidity conditioning	Not applicable.	N/A
	Relative humidity (%):		
	Temperature (°C):		
	Duration (h):		
5.4.9	Electric strength test:	No protection against electrical shock deemed necessary to ES1 energy source.	N/A
5.4.9.1	Test procedure for a solid insulation type test		N/A
5.4.9.2	Test procedure for routine tests		N/A
5.4.10	Protection against transient voltages between external circuit	No such circuit.	N/A
5.4.10.1	Parts and circuits separated from external circuits		N/A
5.4.10.2	Test methods		N/A
5.4.10.2.1	General		N/A
5.4.10.2.2	Impulse test:	Not applicable.	N/A
5.4.10.2.3	Steady-state test:	Not applicable.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
5.4.11	Insulation between external circuits and earthed circuitry:	No such parts.	N/A
5.4.11.1	Exceptions to separation between external circuits and earth		N/A
5.4.11.2	Requirements	Refer to clause 5.4.11.	N/A
	Rated operating voltage U _{op} (V):	Not applicable.	_
	Nominal voltage U _{peak} (V):	Not applicable.	
	Max increase due to variation U _{sp} :	Not applicable.	
	Max increase due to ageing ΔU_{sa} :	Not applicable.	
	U_{op} = U_{peak} + ΔU_{sp} + ΔU_{sa} :	Not applicable.	
5.5	Components as safeguards		N/A
5.5.1	General	No component used as safeguard.	N/A
5.5.2	Capacitors and RC units	No such capacitors and RC units.	N/A
5.5.2.1	General requirement		N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	Refer to clause 5.5.2.	N/A
5.5.3	Transformers	No transformers.	N/A
5.5.4	Optocouplers	No optocouplers.	N/A
5.5.5	Relays	No relays.	N/A
5.5.6	Resistors	No such resistors.	N/A
5.5.7	SPD's	No SPD's.	N/A
5.5.7.1	Use of an SPD connected to reliable earthing		N/A
5.5.7.2	Use of an SPD between mains and protective earth		N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable:	Not applicable.	N/A
5.6	Protective conductor		N/A
5.6.2	Requirement for protective conductors	Class III equipment, no protective earth conductors.	N/A
5.6.2.1	General requirements		N/A
5.6.2.2	Colour of insulation		N/A
5.6.3	Requirement for protective earthing conductors		N/A
	Protective earthing conductor size (mm ²)	Refer to clause 5.6.2.	
5.6.4	Requirement for protective bonding conductors	Class III equipment, no protective bonding conductors.	N/A
5.6.4.1	Protective bonding conductors		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Protective bonding conductor size (mm ²)	Not applicable.	
	Protective current rating (A) :	Not applicable.	
5.6.4.3	Current limiting and overcurrent protective devices		N/A
5.6.5	Terminals for protective conductors	No such conductors.	N/A
5.6.5.1	Requirement		N/A
	Conductor size (mm ²), nominal thread diameter (mm).	Not applicable.	N/A
5.6.5.2	Corrosion		N/A
5.6.6	Resistance of the protective system	No such resistance.	N/A
5.6.6.1	Requirements		N/A
5.6.6.2	Test Method Resistance (Ω):	Not applicable.	N/A
5.6.7	Reliable earthing	Class III equipment, no such construction.	N/A
5.7	Prospective touch voltage, touch current and protective conductor current		N/A
5.7.2	Measuring devices and networks	Class III equipment, all prospective touch voltage inside the equipment is ES1.	N/A
5.7.2.1	Measurement of touch current:	Not applicable.	N/A
5.7.2.2	Measurement of prospective touch voltage		N/A
5.7.3	Equipment set-up, supply connections and earth connections	Refer to clause 5.7.2.	N/A
	System of interconnected equipment (separate connections/single connection):	Not applicable.	
	Multiple connections to mains (one connection at a time/simultaneous connections)	Not applicable.	
5.7.4	Earthed conductive accessible parts	Class III equipment, no applicable.	N/A
5.7.5	Protective conductor current	Class III equipment, no applicable.	N/A
	Supply Voltage (V)	Not applicable.	
	Measured current (mA)	Not applicable.	
	Instructional Safeguard:	Not applicable.	
5.7.6	Prospective touch voltage and touch current due to external circuits		N/A
5.7.6.1	Touch current from coaxial cables		N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
5.7.7	Summation of touch currents from external circuits	Class III equipment, no applicable.	N/A
	a) Equipment with earthed external circuits Measured current (mA)	Not applicable.	
	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):	Not applicable.	

6	ELECTRICALLY- CAUSED FIRE		
6.2	Classification of power sources (PS) and potential i	gnition sources (PIS)	Р
6.2.2	Power source circuit classifications	See energy source identification and classification table.	Ρ
6.2.2.1	General	All circuits are considered PS2.	Р
6.2.2.2	Power measurement for worst-case load fault :	Refer to below.	Р
6.2.2.3	Power measurement for worst-case power source fault	Refer to below.	Ρ
6.2.2.4	PS1:	Considered. (see appended table 6.2.2)	Р
6.2.2.5	PS2:	Considered. (see appended table 6.2.2)	Ρ
6.2.2.6	PS3:	No PS3 circuits.	N/A
6.2.3	Classification of potential ignition sources	Refer to below.	Р
6.2.3.1	Arcing PIS	There are no arcing PIS inside the equipment.	N/A
6.2.3.2	Resistive PIS:	All devices/components inside the equipment are considered as resistive PIS.	Р
6.3	Safeguards against fire under normal operating and	abnormal operating conditions	Р
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:	During the test, no ignition occurred, or component's temperature reach to 300°C of spontaneous ignition point. (See appended table 5.4.1.4, 6.3.2, 9.0, B.2.6) However, Equipment is for building- in, it shall be evaluated in end-use product.	Ρ
6.3.1 (b)	Combustible materials outside fire enclosure	No such parts.	N/A
6.4	Safeguards against fire under single fault conditions		N/A
6.4.1	Safeguard Method	Equipment is for building-in, it shall be evaluated in end-use product.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
6.4.3.1	General		N/A
6.4.3.2	Supplementary Safeguards		N/A
	Special conditions if conductors on printed boards are opened or peeled	34	N/A
6.4.3.3	Single Fault Conditions :	Not applicable.	N/A
	Special conditions for temperature limited by fuse		N/A
6.4.4	Control of fire spread in PS1 circuits		N/A
6.4.5	Control of fire spread in PS2 circuits	Considered.	Р
6.4.5.2	Supplementary safeguards:	 Printed board rated min. V-1 class material. All other components mounted on V-1 class material. 	Р
6.4.6	Control of fire spread in PS3 circuit		N/A
6.4.7	Separation of combustible materials from a PIS		N/A
6.4.7.1	General:	Not applicable.	N/A
6.4.7.2	Separation by distance		N/A
6.4.7.3	Separation by a fire barrier		N/A
6.4.8	Fire enclosures and fire barriers	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
6.4.8.1	Fire enclosure and fire barrier material properties		N/A
6.4.8.2.1	Requirements for a fire barrier		N/A
6.4.8.2.2	Requirements for a fire enclosure	C	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	CE	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings		N/A
6.4.8.3.2	Fire barrier dimensions		N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)	Not applicable.	N/A
	Needle Flame test		N/A
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)	Not applicable.	N/A
	Flammability tests for the bottom of a fire enclosure:	Not applicable.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):	Not applicable.	N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	Not applicable.	N/A
6.5	Internal and external wiring		N/A
6.5.1	Requirements	Ch	N/A
6.5.2	Cross-sectional area (mm ²):	Not applicable.	_
6.5.3	Requirements for interconnection to building wiring	Not applicable.	N/A
6.6	Safeguards against fire due to connection to additional equipment	Not applicable.	N/A
	External port limited to PS2 or complies with Clause Q.1	Supplied by 5Vd.c., 3A which comply with PS2, no test necessary.	N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANC	CES	
7.2	Reduction of exposure to hazardous substances		N/A
7.3	Ozone exposure		N/A
7.4	Use of personal safeguards (PPE)		N/A
	Personal safeguards and instructions::	No hazardous substances, equipment is for building-in, it shall be evaluated in end-use product.	_
7.5	Use of instructional safeguards and instructions		N/A
	Instructional safeguard (ISO 7010):	No hazardous substances, equipment is for building-in, it shall be evaluated in end-use product.	_
7.6	Batteries	No battery in the equipment.	N/A

8	MECHANICALLY-CAUSED INJURY		—
8.1	General	EUT is intended for building-in. The protection against mechanically-caused injury is to be determined when employed in the end-use product.	N/A
8.2	Mechanical energy source classifications		N/A
8.3	Safeguards against mechanical energy sources		N/A
8.4	Safeguards against parts with sharp edges and corners		N/A
8.4.1	Safeguards		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
8.5	Safeguards against moving parts	No moving part.	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment		N/A
8.5.2	Instructional Safeguard :		_
8.5.4	Special categories of equipment comprising moving parts	No such part.	N/A
8.5.4.1	Large data storage equipment		N/A
8.5.4.2	Equipment having electromechanical device for destruction of media		N/A
8.5.4.2.1	Safeguards and Safety Interlocks	Not applicable.	N/A
8.5.4.2.2	Instructional safeguards against moving parts		N/A
	Instructional Safeguard		
8.5.4.2.3	Disconnection from the supply		N/A
8.5.4.2.4	Probe type and force (N)	Not applicable.	N/A
8.5.5	High Pressure Lamps	No high pressure lamps in the equipment.	N/A
8.5.5.1	Energy Source Classification		N/A
8.5.5.2	High Pressure Lamp Explosion Test	Not applicable.	N/A
8.6	Stability	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
8.6.1	Product classification		N/A
	Instructional Safeguard	Not applicable.	—
8.6.2	Static stability		N/A
8.6.2.2	Static stability test		N/A
	Applied Force:	Not applicable.	—
8.6.2.3	Downward Force Test		N/A
8.6.3	Relocation stability test		N/A
	Unit configuration during 10° tilt:	Not applicable.	—
8.6.4	Glass slide test		N/A
8.6.5	Horizontal force test (Applied Force):	Not applicable.	N/A
	Position of feet or movable parts:	Not applicable.	
8.7	Equipment mounted to wall or ceiling	Equipment is for building-in, it shall be evaluated in end-use product.	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface):	Not applicable.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict	
8.7.2	Direction and applied force:	Not applicable.	N/A	
8.8	Handles strength	Equipment is for building-in, it shall be evaluated in end-use product.	N/A	
8.8.1	Classification		N/A	
8.8.2	Applied Force	Not applicable.	N/A	
8.9	Wheels or casters attachment requirements	Equipment is for building-in, it shall be evaluated in end-use product.	N/A	
8.9.1	Classification		N/A	
8.9.2	Applied force:	Not applicable.		
8.10	Carts, stands and similar carriers	Equipment is for building-in, it shall be evaluated in end-use product.	N/A	
8.10.1	General		N/A	
8.10.2	Marking and instructions		N/A	
	Instructional Safeguard:	Not applicable.		
8.10.3	Cart, stand or carrier loading test and compliance	C	N/A	
	Applied force	Not applicable.		
8.10.4	Cart, stand or carrier impact test		N/A	
8.10.5	Mechanical stability		N/A	
	Applied horizontal force (N):	Not applicable.		
8.10.6	Thermoplastic temperature stability (°C):	Not applicable.	N/A	
8.11	Mounting means for rack mounted equipment	Equipment is for building-in, it shall be evaluated in end-use product.	N/A	
8.11.1	General		N/A	
8.11.2	Product Classification		N/A	
8.11.3	Mechanical strength test, variable N	Not applicable.	N/A	
8.11.4	Mechanical strength test 250N, including end stops		N/A	
8.12	Telescoping or rod antennas	No such construction.	N/A	
	Button/Ball diameter (mm)	Not applicable.		

9	THERMAL BURN INJURY		_
9.2	Thermal energy source classifications	EUT is intended for building-in. The protection against thermal burn injury is to be determined when employed in the end-use equipment.	N/A
9.3	Safeguard against thermal energy sources		N/A

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Clause	Clause Requirement + Test Result - Remark			
9.4	Requirements for safeguards		N/A	
9.4.1	Equipment safeguard		N/A	
9.4.2	Instructional safeguard	Refer to clause 9.2.	N/A	

10	RADIATION		_
10.2	Radiation energy source classification		Р
10.2.1	General classification	Indicator LED used and considered as RS1.	Р
10.3	Protection against laser radiation	No such part.	N/A
	Laser radiation that exists in the equipment:		
	Normal, abnormal, single-fault:	Not applicable.	N/A
	Instructional safeguard:	Not applicable.	
	Tool:	Not applicable.	_
10.4	Protection against visible, infrared, and UV radiation	No visible, infrared and UV radiation.	N/A
10.4.1	General		N/A
10.4.1.a)	RS3 for Ordinary and instructed persons:	Not applicable.	N/A
10.4.1.b)	RS3 accessible to a skilled person:	Not applicable.	N/A
	Personal safeguard (PPE) instructional safeguard:	Not applicable.	
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	Not applicable.	N/A
10.4.1.d)	Normal, abnormal, single-fault conditions:	Not applicable.	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque	Not applicable.	N/A
10.4.1.f)	UV attenuation:	Not applicable.	N/A
10.4.1.g)	Materials resistant to degradation UV:	Not applicable.	N/A
10.4.1.h)	Enclosure containment of optical radiation:	Not applicable.	N/A
10.4.1.i)	Exempt Group under normal operating conditions:	Not applicable.	N/A
10.4.2	Instructional safeguard:	Not applicable.	N/A
10.5	Protection against x-radiation	No X-radiation.	N/A
10.5.1	X- radiation energy source that exists equipment:		N/A
	Normal, abnormal, single fault conditions		N/A
	Equipment safeguards	Not applicable.	N/A
	Instructional safeguard for skilled person:	Not applicable.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
10.5.3	Most unfavourable supply voltage to give maximum radiation	Not applicable.	—
	Abnormal and single-fault condition:	Not applicable.	N/A
	Maximum radiation (pA/kg):	Not applicable.	N/A
10.6	Protection against acoustic energy sources	Not personal music player.	N/A
10.6.1	General		N/A
10.6.2	Classification		N/A
	Acoustic output, dB(A):	Not applicable.	N/A
	Output voltage, unweighted r.m.s:	Not applicable.	N/A
10.6.4	Protection of persons		N/A
	Instructional safeguards:	Not applicable.	N/A
	Equipment safeguard prevent ordinary person to RS2	Not applicable.	-
	Means to actively inform user of increase sound pressure:	Not applicable.	-
	Equipment safeguard prevent ordinary person to RS2	Not applicable.	-
10.6.5	Requirements for listening devices (headphones, earphones, etc.)	No such part.	N/A
10.6.5.1	Corded passive listening devices with analog input		N/A
	Input voltage with 94 dB(A) <i>L_{Aeq}</i> acoustic pressure output:	Not applicable.	—
10.6.5.2	Corded listening devices with digital input		N/A
	Maximum dB(A):	Not applicable.	_
10.6.5.3	Cordless listening device		N/A
	Maximum dB(A)	Not applicable.	_

в	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		
B.2	Normal Operating Conditions		Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	Р
	Audio Amplifiers and equipment with audio amplifiers:	No amplifiers.	N/A
B.2.3	Supply voltage and tolerances	Not connected to mains.	N/A
B.2.5	Input test:	(See appended table B.2.5)	Р

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Clause	Requirement + Test	Result - Remark	Verdict	
B.3	Simulated abnormal operating conditions		N/A	
B.3.1	General requirements	Equipment is for building-in, it shall be evaluated in end-use product.	N/A	
B.3.2	Covering of ventilation openings		N/A	
B.3.3	D.C. mains polarity test	Not connected to D.C mains.	N/A	
B.3.4	Setting of voltage selector:	No voltage select switch.	N/A	
B.3.5	Maximum load at output terminals		N/A	
B.3.6	Reverse battery polarity	No battery in the equipment.	N/A	
B.3.7	Abnormal operating conditions as specified in Clause E.2.	No Audio amplifier in the equipment.	N/A	
B.3.8	Safeguards functional during and after abnormal operating conditions		N/A	
B.4	Simulated single fault conditions		Р	
B.4.2	Temperature controlling device open or short- circuited	No such parts.	N/A	
B.4.3	Motor tests	No such parts.	N/A	
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	No such parts.	N/A	
B.4.4	Short circuit of functional insulation	Refer below.	Р	
B.4.4.1	Short circuit of clearances for functional insulation	See appended table B.4.	Р	
B.4.4.2	Short circuit of creepage distances for functional insulation	See appended table B.4.	Р	
B.4.4.3	Short circuit of functional insulation on coated printed boards	No such parts.	N/A	
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	See appended table B.4.	Р	
B.4.6	Short circuit or disconnect of passive components		Р	
B.4.7	Continuous operation of components		N/A	
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions		Р	
B.4.9	Battery charging under single fault conditions :	No such parts.	N/A	
С	UV RADIATION		_	
C.1	Protection of materials in equipment from UV radiation	The equipment does not produce significant UV radiation.	N/A	
C.1.2	Requirements		N/A	
C.1.3	Test method		N/A	
C.2	UV light conditioning test		N/A	

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Clause	Requirement + Test	Result - Remark	Verdict
C.2.1	Test apparatus		N/A
C.2.2	Mounting of test samples		N/A
C.2.3	Carbon-arc light-exposure apparatus		N/A
C.2.4	Xenon-arc light exposure apparatus		N/A
D	TEST GENERATORS		_
D.1	Impulse test generators	Not applicable.	N/A
D.2	Antenna interface test generator		N/A
D.3	Electronic pulse generator		N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	
E.1	Audio amplifier normal operating conditions	No amplifier.	N/A
	Audio signal voltage (V):	Not applicable.	
	Rated load impedance (Ω):	Not applicable.	
E.2	Audio amplifier abnormal operating conditions	Not applicable.	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	
F.1	General requirements	CIT	Р
	Instructions – Language	Instruction language is in English, however, the instructions shall be in a language acceptable for the country where the equipment is to be used.	_
F.2	Letter symbols and graphical symbols		Р
F.2.1	Letter symbols according to IEC60027-1		Р
F.2.2	Graphic symbols IEC, ISO or manufacturer specific		Р
F.3	Equipment markings		Р
F.3.1	Equipment marking locations		Р
F.3.2	Equipment identification markings		Р
F.3.2.1	Manufacturer identification	See copy of marking plate.	—
F.3.2.2	Model identification:	See copy of marking plate.	
F.3.3	Equipment rating markings	See below.	Р
F.3.3.1	Equipment with direct connection to mains		N/A
F.3.3.2	Equipment without direct connection to mains	Class III equipment.	Р
F.3.3.3	Nature of supply voltage	Class III equipment and not connected to mains direct.	
F.3.3.4	Rated voltage:	Class III equipment and not connected to mains direct.	—

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
F.3.3.5	Rated frequency	Class III equipment, not applicable.	_
F.3.3.6	Rated current or rated power:	Class III equipment and not connected to mains direct.	_
F.3.3.7	Equipment with multiple supply connections		N/A
F.3.4	3.4 Voltage setting device No voltage setting device equipment.		N/A
F.3.5	Terminals and operating devices	See below.	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	No such part.	N/A
F.3.5.2	Switch position identification marking	No such part.	N/A
F.3.5.3	Replacement fuse identification and rating markings	No such part.	N/A
F.3.5.4	Replacement battery identification marking :	No such part.	N/A
F.3.5.5	Terminal marking location	Class III equipment, not applicable.	N/A
F.3.6	Equipment markings related to equipment Class III equipment, not applicable.		N/A
F.3.6.1	Class I Equipment		N/A
F.3.6.1.1	Protective earthing conductor terminal		N/A
F.3.6.1.2	Neutral conductor terminal		N/A
F.3.6.1.3	6.1.3 Protective bonding conductor terminals		N/A
F.3.6.2	Class II equipment (IEC60417-5172)		N/A
F.3.6.2.1	Class II equipment with or without functional earth		N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking		N/A
F.3.7	Equipment IP rating marking:	IPX0	_
F.3.8	External power supply output marking	C	N/A
F.3.9	Durability, legibility and permanence of marking The marking on equipment is durability, legibility and easy to be identified.		Р
F.3.10	Test for permanence of markings	The marking withstands the required test.	Ρ
F.4	Instructions		Р
	a) Equipment for use in locations where children not likely to be present - marking		N/A
	b) Instructions given for installation or initial use	Provided in user manual.	Р
	c) Equipment intended to be fastened in place		N/A

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Clause	Requirement + Test Result - Remark		Verdict
	d) Equipment intended for use only in restricted access area	Equipment is not intended for use in restricted access area.	N/A
	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	No audio equipment terminals classified as ES1.	N/A
	f) Protective earthing employed as safeguard	Class III equipment.	N/A
	g) Protective earthing conductor current exceeding ES 2 limits	Class III equipment.	N/A
	h) Symbols used on equipment		N/A
	i) Permanently connected equipment not provided with all-pole mains switch	No permanently connected equipment.	N/A
	j) Replaceable components or modules providing safeguard function	No such part in the equipment.	N/A
F.5	Instructional safeguards		Р
	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	c	Ρ
G	COMPONENTS		
G.1	Switches		N/A
G.1.1	General requirements	No switches in the equipment.	N/A
G.1.2	Ratings, endurance, spacing, maximum load		N/A
G.2	Relays		N/A
G.2.1	General requirements	No relays in the equipment.	N/A
G.2.2	Overload test		N/A
G.2.3	Relay controlling connectors supply power		N/A
G.2.4	Mains relay, modified as stated in G.2		N/A
G.3	Protection Devices		N/A
G.3.1	Thermal cut-offs	No thermal cut-offs in the equipment.	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)		N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)		N/A
G.3.1.2	Thermal cut-off connections maintained and secure		N/A
G.3.2	Thermal links		N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691 No thermal links in the equipment.		N/A
G.3.2.1b)	Thermal links tested as part of the equipment		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Aging hours (H)	Not applicable.	
	Single Fault Condition:	Not applicable.	
	Test Voltage (V) and Insulation Resistance (Ω). :	Not applicable.	
G.3.3	PTC Thermistors	No PTC in the equipment.	N/A
		However, equipment is for building- in, it shall be evaluated in end-use product.	
G.3.4	Overcurrent protection devices	No overcurrent protective device in the equipment.	N/A
	cS	However, equipment is for building- in, it shall be evaluated in end-use product.	
G.3.5	Safeguards components not mentioned in G.3.1 to	G.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	No non-resettable devices in the equipment.	N/A
		However, equipment is for building- in, it shall be evaluated in end-use product.	
G.3.5.2	Single faults conditions:	Refer to above.	N/A
G.4	Connectors		N/A
G.4.1	Spacings	No such components	N/A
G.4.2	Mains connector configuration	Not applicable.	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely		N/A
G.5	Wound Components		N/A
G.5.1	Wire insulation in wound components	No such wound components in the equipment.	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	Ch	N/A
G.5.1.2 b)	Construction subject to routine testing		N/A
G.5.2	Endurance test on wound components		N/A
G.5.2.1	General test requirements		N/A
G.5.2.2	Heat run test		N/A
	Time (s)	Not applicable.	
	Temperature (°C):	Not applicable.	
G.5.2.3	Wound Components supplied by mains		N/A
G.5.3	Transformers		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
G.5.3.1	Requirements applied (IEC61204-7, IEC61558- 1/-2, and/or IEC62368-1):	No such transformers in the equipment.	N/A
	Position:	Not applicable.	—
	Method of protection:	Not applicable.	
G.5.3.2	Insulation		N/A
165	Protection from displacement of windings:	Not applicable.	
G.5.3.3	Overload test:	Not applicable.	N/A
G.5.3.3.1	Test conditions		N/A
G.5.3.3.2	Winding Temperatures testing in the unit		N/A
G.5.3.3.3	Winding Temperatures - Alternative test method		N/A
G.5.4	Motors		N/A
G.5.4.1	General requirements	No motor in the equipment.	N/A
	Position	Not applicable.	
G.5.4.2	Test conditions	C	N/A
G.5.4.3	Running overload test		N/A
G.5.4.4	Locked-rotor overload test		N/A
	Test duration (days):	Not applicable.	
G.5.4.5	Running overload test for d.c. motors in secondary circuits		N/A
G.5.4.5.2	Tested in the unit		N/A
	Electric strength test (V):	Not applicable.	
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h):		N/A
	Electric strength test (V):	Not applicable.	—
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	Ch	N/A
G.5.4.6.2	Tested in the unit		N/A
	Maximum Temperature	Not applicable.	N/A
	Electric strength test (V):	Not applicable.	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h):	Not applicable.	N/A
	Electric strength test (V)	Not applicable.	N/A
G.5.4.7	Motors with capacitors		N/A
G.5.4.8	Three-phase motors		N/A
G.5.4.9	Series motors		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Operating voltage	Not applicable.	
G.6	Wire Insulation		N/A
G.6.1	General All circuitry or parts are considered as ES1.		N/A
G.6.2	Solvent-based enamel wiring insulation	No solvent-based enamel wiring insulation in the equipment.	N/A
G.7	Mains supply cords		N/A
G.7.1	General requirements	Class III equipment, not used mains supply cords.	N/A
	Туре	Not applicable.	
	Rated current (A):	Not applicable.	
	Cross-sectional area (mm ²), (AWG):	Not applicable.	
G.7.2	Compliance and test method		N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	C	N/A
G.7.3.2	Cord strain relief	ord strain relief	
G.7.3.2.1	Requirements		N/A
	Strain relief test force (N) Not applicable.		
G.7.3.2.2	Strain relief mechanism failure		N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	Not applicable.	
G.7.3.2.4	Strain relief comprised of polymeric material		N/A
G.7.4	Cord Entry:	Not applicable.	N/A
G.7.5	Non-detachable cord bend protection	No non-detachable cord in the equipment.	N/A
G.7.5.1	Requirements		N/A
G.7.5.2	Mass (g)	Not applicable.	
	Diameter (m):	Not applicable.	
	Temperature (°C):	Not applicable.	_
G.7.6	Supply wiring space		N/A
G.7.6.2	Stranded wire		N/A
G.7.6.2.1	Test with 8 mm strand		N/A
G.8	Varistors		N/A
G.8.1	General requirements	No varistors in the equipment.	N/A
G.8.2	Safeguard against shock		N/A
G.8.3	Safeguard against fire		N/A

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Clause Requirement +	Test Result - Remark	Verdict
6.8.3.2 Varistor overload test		N/A
6.8.3.3 Temporary overvoltage		N/A
6.9 Integrated Circuit (IC) Currer		N/A
6.9.1 a) Manufacturer defines limit at m	Manufacturer defines limit at max. 5A. No such component in the equipment, not applicable.	
5.9.1 b) Limiters do not have manual o	perator or reset No such component in the equipment, not applicable.	N/A
3.9.1 c) Supply source does not excee	d 250 VA: No such component in the equipment, not applicable.	
G.9.1 d) IC limiter output current (max.	5A) No such component in the equipment, not applicable.	
6.9.1 e) Manufacturers' defined drift	No such component in the equipment, not applicable.	
6.9.2 Test Program 1		N/A
0.9.3 Test Program 2		N/A
5.9.4 Test Program 3	Test Program 3	
.10 Resistors	Resistors	
6.10.1 General requirements	General requirements Class III equipment, resistor is not used as safeguard or bridged basic, supplementary insulation.	
6.10.2 Resistor test	Not applicable.	N/A
6.10.3 Test for resistors serving as sa the mains and an external circl coaxial cable		N/A
6.10.3.1 General requirements		N/A
6.10.3.2 Voltage surge test		N/A
6.10.3.3 Impulse test	C	N/A
6.11 Capacitor and RC units		N/A
6.11.1 General requirements	No capacitor and RC unit serving as safeguard in the equipment.	N/A
6.11.2 Conditioning of capacitors and	RC units	N/A
6.11.3 Rules for selecting capacitors		N/A
6.12 Optocouplers	Optocouplers	
Optocouplers comply with IEC Spacing or Electric Strength Te and test results)	est (specify option	N/A
Type test voltage Vini	Not applicable.	
Routine test voltage, Vini,b		_

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Clause	Requirement + Test	Result - Remark	Verdict
G.13	Printed boards		Р
G.13.1	General requirements	Functional insulation only	Р
G.13.2	Uncoated printed boards		Р
G.13.3	Coated printed boards		N/A
G.13.4	Insulation between conductors on the same inner surface	No such parts.	N/A
	Compliance with cemented joint requirements (Specify construction):	Not applicable.	_
G.13.5	Insulation between conductors on different surfaces	No such part.	N/A
	Distance through insulation	Not applicable.	N/A
	Number of insulation layers (pcs):	Not applicable.	
G.13.6	Tests on coated printed boards		N/A
G.13.6.1	Sample preparation and preliminary inspection		N/A
G.13.6.2a)	Thermal conditioning	C	N/A
G.13.6.2b)	Electric strength test		N/A
G.13.6.2c)	Abrasion resistance test		N/A
G.14	Coating on components terminals		N/A
G.14.1	Requirements No coatings in the equipment.		N/A
G.15	Liquid filled components		N/A
G.15.1	General requirements	No liquid filled components in the equipment.	N/A
G.15.2	Requirements		N/A
G.15.3	Compliance and test methods		N/A
G.15.3.1	Hydrostatic pressure test		N/A
G.15.3.2	Creep resistance test		N/A
G.15.3.3	Tubing and fittings compatibility test		N/A
G.15.3.4	Vibration test		N/A
G.15.3.5	Thermal cycling test		N/A
G.15.3.6	Force test		N/A
G.15.4	Compliance		N/A
G.16	IC including capacitor discharge function (ICX)		N/A
a)	Humidity treatment in accordance with sc 5.4.8 – 120 hours	No IC including capacitor discharge function (ICX) in the equipment.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict	
L \		Natanliashla	NI/A	
b)	Impulse test using circuit 2 with Uc = to transient voltage	Not applicable.	N/A	
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes		N/A	
C2)	Test voltage	Not applicable.	_	
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	Sur	N/A	
D2)	Capacitance	Not applicable.	—	
D3)	Resistance:	Not applicable.	_	
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS			
H.1	General	Not used an analogue telephone network ringing signal in the equipment.	N/A	
H.2	Method A		N/A	
H.3	Method B	C	N/A	
H.3.1	Ringing signal		N/A	
H.3.1.1	Frequency (Hz)	Not applicable.		
H.3.1.2	Voltage (V):	Not applicable.		
H.3.1.3	Cadence; time (s) and voltage (V)	Not applicable.		
H.3.1.4	Single fault current (mA):	Not applicable.		
H.3.2	Tripping device and monitoring voltage	Not applicable.	N/A	
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with		N/A	
H.3.2.2	Tripping device		N/A	
H.3.2.3	Monitoring voltage (V):	Not applicable.		
J	INSULATED WINDING WIRES FOR USE WITHO	UT INTERLEAVED INSULATION		
54	General requirements	No insulated winding wires in the equipment.	N/A	
к	SAFETY INTERLOCKS		—	
K.1	General requirements	No safety interlocks in the equipment.	N/A	
K.2	Components of safety interlock safeguard mechanism	Not applicable.	N/A	
K.3	Inadvertent change of operating mode		N/A	
K.4	Interlock safeguard override		N/A	
K.5	Fail-safe		N/A	

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Clause	Requirement + Test	Result - Remark	Verdict	
	Compliance	Not applicable.	N/A	
K.6	Mechanically operated safety interlocks		N/A	
K.6.1	Endurance requirement		N/A	
K.6.2	Compliance and Test method	Not applicable.	N/A	
K.7	Interlock circuit isolation		N/A	
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):	595	N/A	
K.7.2	Overload test, Current (A)	Not applicable.	N/A	
K.7.3	Endurance test		N/A	
K.7.4	Electric strength test:	Not applicable.	N/A	
L	DISCONNECT DEVICES		_	
L.1	General requirements	Class III equipment, not connected to the mains.	N/A	
L.2	Permanently connected equipment		N/A	
L.3	Parts that remain energized		N/A	
L.4	Single phase equipment		N/A	
L.5	Three-phase equipment		N/A	
L.6	Switches as disconnect devices		N/A	
L.7	Plugs as disconnect devices		N/A	
L.8	Multiple power sources		N/A	
М	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS			
M.1	General requirements	No battery in the equipment.	N/A	
M.2	Safety of batteries and their cells		N/A	
M.2.1	Requirements		N/A	
M.2.2	Compliance and test method (identify method):	Not applicable.	N/A	
M.3	Protection circuits		N/A	
M.3.1	Requirements		N/A	
M.3.2	Tests		N/A	
	- Overcharging of a rechargeable battery		N/A	
	- Unintentional charging of a non-rechargeable battery		N/A	
	- Reverse charging of a rechargeable battery		N/A	
	- Excessive discharging rate for any battery		N/A	
M.3.3	Compliance:	Not applicable.	N/A	

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01	De muinement (Teat	Desuit Dements		
Clause	Requirement + Test	Result - Remark	Verdict	
M.4	Additional safeguards for equipment containing secondary lithium battery		N/A	
M.4.1	General		N/A	
M.4.2	Charging safeguards		N/A	
M.4.2.1	2.1 Charging operating limits			
M.4.2.2a)	.2.2a) Charging voltage, current and temperature: Not applicable.			
M.4.2.2 b)	4.2.2 b) Single faults in charging circuitry Not applicable.			
VI.4.3	Fire Enclosure		N/A	
M.4.4	Endurance of equipment containing a secondary lithium battery		N/A	
M.4.4.2	Preparation		N/A	
M.4.4.3	Drop and charge/discharge function tests		N/A	
	Drop		N/A	
	Charge		N/A	
	Discharge		N/A	
M.4.4.4	Charge-discharge cycle test		N/A	
M.4.4.5	Result of charge-discharge cycle test		N/A	
M.5	Risk of burn due to short circuit during carrying		N/A	
M.5.1	Requirement		N/A	
M.5.2	Compliance and Test Method (Test of P.2.3)		N/A	
M.6	Prevention of short circuits and protection from other effects of electric current		N/A	
M.6.1	Short circuits		N/A	
M.6.1.1	General requirements		N/A	
	Test method to simulate an internal fault		N/A	
M.6.1.2	Compliance (Specify M.6.1.2 or alternative method):	Not applicable.	N/A	
M.6.2	Leakage current (mA):	Not applicable.	N/A	
M.7	Risk of explosion from lead acid and NiCd batteries		N/A	
M.7.1	Ventilation preventing explosive gas concentration		N/A	
M.7.2	Compliance and test method		N/A	
V.8	Protection against internal ignition from external spark sources of lead acid batteries		N/A	
M.8.1	General requirements		N/A	

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Clause	Requirement + Test	Result - Remark	Verdict			
M.8.2	Test method		N/A			
M.8.2.1	General requirements		N/A			
M.8.2.2	Estimation of hypothetical volume Vz (m ³ /s):	Not applicable.				
M.8.2.3	Correction factors:	Not applicable.				
M.8.2.4	Calculation of distance <i>d</i> (mm):	Not applicable.				
M.9	Preventing electrolyte spillage		N/A			
M.9.1	Protection from electrolyte spillage		N/A			
M.9.2	Tray for preventing electrolyte spillage		N/A			
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing)	No battery in the equipment, not applicable.	N/A			
N	ELECTROCHEMICAL POTENTIALS					
	Metal(s) used:	Not relevant, class III equipment.				
0	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES					
	Figures O.1 to O.20 of this Annex applied:	Only functional insulation inside of equipment.	—			
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN OBJECTS AND SPILLAGE OF INTERNAL LIQUIDS					
P.1	General requirements	EUT is intended for building-in and determined in the end-use product.	N/A			
P.2.2	Safeguards against entry of foreign object		N/A			
	Location and Dimensions (mm):	Not applicable.				
P.2.3	Safeguard against the consequences of entry of foreign object		N/A			
P.2.3.1	Safeguards against the entry of a foreign object		N/A			
	Openings in transportable equipment		N/A			
36	Transportable equipment with metalized plastic parts	Not applicable.	N/A			
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard):	Not applicable.	N/A			
P.3	Safeguards against spillage of internal liquids		N/A			
P.3.1	General requirements		N/A			
P.3.2	Determination of spillage consequences		N/A			
P.3.3	Spillage safeguards		N/A			
P.3.4	Safeguards effectiveness		N/A			
	Salegualus ellectivelless		1 1/7 1			

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Clause	Requirement + Test	Result - Remark	Verdict
P.4.2 a)	Conditioning testing		N/A
/	Tc (°C):	Not applicable.	
	Tr (°C):	Not applicable.	
	Ta (°C):	Not applicable.	
P.4.2 b)	Abrasion testing	Not applicable.	N/A
, P.4.2 c)	Mechanical strength testing		N/A
Q	CIRCUITS INTENDED FOR INTERCONNECTION		
Q.1	Limited power sources		N/A
Q.1.1 a)	Inherently limited output		N/A
Q.1.1 b)	Impedance limited output		N/A
	- Regulating network limited output under normal operating and simulated single fault condition		N/A
Q.1.1 c)	Overcurrent protective device limited output		N/A
Q.1.1 d)	IC current limiter complying with G.9	C	N/A
Q.1.2	Compliance and test method		N/A
Q.2	Test for external circuits – paired conductor cable		N/A
	Maximum output current (A)	Not applicable.	
	Current limiting method:	Not applicable.	
R	LIMITED SHORT CIRCUIT TEST		
R.1	General requirements		N/A
R.2	Determination of the overcurrent protective device and circuit		N/A
R.3	Test method Supply voltage (V) and short-circuit current (A)).	Not applicable.	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE		
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	EUT is intended for building-in and determined in the end-use product.	N/A
	Samples, material:	Not applicable.	
	Wall thickness (mm):	Not applicable.	_
	Conditioning (°C):	Not applicable.	—
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	- Material not consumed completely		N/A
	- Material extinguishes within 30s		N/A

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Clause	Requirement + Test	Result - Remark	Verdict			
	- No burning of layer or wrapping tissue		N/A			
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A			
	Samples, material:	Not applicable.				
	Wall thickness (mm):	Not applicable.				
	Conditioning (°C):	Not applicable.				
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A			
	Test specimen does not show any additional hole		N/A			
S.3	Flammability test for the bottom of a fire enclosure		N/A			
	Samples, material:	Not applicable.				
	Wall thickness (mm):	Not applicable.				
	Cheesecloth did not ignite		N/A			
S.4	Flammability classification of materials		N/A			
S.5	Flammability test for fire enclosure materials of equipment with a steady-state power exceeding 4000 W	Su	N/A			
	Samples, material:	Not applicable.				
	Wall thickness (mm):	Not applicable.				
	Conditioning (test condition), (°C):	Not applicable.				
	Test flame according to IEC 60695-11-20 with conditions as set out		N/A			
	After every test specimen was not consumed completely		N/A			
	After fifth flame application, flame extinguished within 1 min	CC	N/A			
т	MECHANICAL STRENGTH TESTS					
T.1	General requirements	Class III equipment. EUT is intended for building-in and determined in the end-use product.	N/A			
Т.2	Steady force test, 10 N	Not applicable.	N/A			
Т.3	Steady force test, 30 N	Not applicable.	N/A			
Т.4	Steady force test, 100 N	Not applicable.	N/A			
T.5	Steady force test, 250 N	Not applicable.	N/A			
Т.6	Enclosure impact test		N/A			

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Clause	Requirement + Test	Result - Remark	Verdict
	Swing test		N/A
Т.7	Drop test:	Not applicable.	N/A
Т.8	Stress relief test:	Not applicable.	N/A
Т.9	Impact Test (glass)	C	N/A
T.9.1	General requirements		N/A
T.9.2	Impact test and compliance		N/A
	Impact energy (J):	Not applicable.	
	Height (m):	Not applicable.	
T.10	Glass fragmentation test:		N/A
T.11	Test for telescoping or rod antennas		N/A
	Torque value (Nm):	Not applicable.	
U	MECHANICAL STRENGTH OF CATHODE RAY AGAINST THE EFECTS OF IMPLOSION	TUBES (CRT) AND PROTECTION	
U.1	General requirements	No cathode ray tube in the equipment.	N/A
U.2	Compliance and test method for non-intrinsically protected CRTs	24	N/A
U.3	Protective Screen	Not applicable.	N/A
V	DETERMINATION OF ACCESSIBLE PARTS (FI	NGERS, PROBES AND WEDGES)	
V.1	Accessible parts of equipment	EUT is intended for building-in and determined in the end-use product.	N/A
V.2	Accessible part criterion		N/A

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Clause	Requirement + Test	Result - Remark	Verdict			

4.1.2 TABLE: List of critical components						Р
Object / part No.		Manufacturer/ trademark	Type / model	Technical data		Mark(s) of conformity ¹
РСВ		Interchangeable	Interchangeable	V-1 or better, Min. 105°C	UL 796	UL*

Supplementary information:

¹⁾ Provided evidence ensures the agreed level of compliance. See OD-2039.

²⁾ Description line content is optional. Main line description needs to clearly detail the component used for testing

*: License available upon request

4.8.4, 4.8.5	TABLE: Lit	TABLE: Lithium coin/button cell batteries mechanical tests				
(The follow	wing mechanica	I tests are conducted in the sequ	uence noted.)			
4.8.4.2	TABLE: Str	ess Relief test				
	Part	Material	Oven Temperature (°C)	Comments		
				<u> </u>		
4.8.4.3	TABLE: Bat	tery replacement test		_		
Battery pa	art no			_		
Battery Installation/withdrawal			Battery Installation/Removal Cycle	Comments		
			1			
			2			
			3			
			4			
			5			
			6			
			8	-		
			9			
			10			
.8.4.4	TABLE: Dro	p test				
Imp	Impact Area Drop Distance		Drop No.	Observations		
		-	1			
			2			
			3			

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Clause		Requirement + Test	Result - Remark	Verdict	
4.8.4, 4.8.5	TABLE: Lit	hium coin/button cell batteries	mechanical tests	N/A	
(The followi	ng mechanica	I tests are conducted in the sequ	ence noted.)		
4.8.4.5	_				
Impacts per surface		Surface tested	Impact energy (Nm)	Comments	
	-				
	-				
4.8.4.6	TABLE: Cru	ish test		_	
Test position		Surface tested	Crushing Force (N)	Duration force applied (s)	
		-	-		
		-			
Supplement	ary information	n:			

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

5.2	Table: C	lassification of	electrical energy	sources			N/A
5.2.2.2 -	- Steady State	e Voltage and Cu	rrent conditions				
	Cummhy	Location (e.g.		Parameters			
No.	Supply Voltage	circuit designation)	Test conditions	U (Vrms or Vpk)	l (Apk or Arms)	Hz	ES Class
1			Normal				
			Abnormal				
			Single fault – SC/OC	-			
5.2.2.3 -	Capacitance	Limits					
	Supply	Location (e.g.	T ()	Parameters			
No.	Voltage	circuit designation)	Test conditions	Capacitance, nl	Capacitance, nF Upk (V)		ES Class

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Clau	ise	Require	ment + Test		Result - Rer	nark	Verdict
					1		1
			Normal				
			Abnormal				
			Single fault – SC/OC			-	
5.2.2.4	- Single Puls	ses					
	Supply	Location (e.g.			Parameters		
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lpk (mA)	ES Class
			Normal				
			Abnormal				
			Single fault – SC/OC				
5.2.2.5	- Repetitive	Pulses					•
	Supply	Location (e.g.			Parameters		
No.	Voltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class
- 04			Normal		- 0		
			Abnormal		-		
			Single fault – SC/OC		- >	-	
Test C	onditions: No	rmal –					
		normal –					
Supple	ementary info	mation: SC=Sho	rt Circuit, OC=Shor	t Circuit			

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Clause	R	equirement +	Test				R	esult - Rema	ark	Verdict
5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Tempera	ABLE: Temperature measurements							Ρ	
	Supply voltage	e (V)	:	5Vd	l.c.					
	Ambient T _{min} (°C)	:	23	.7		ift to			
	Ambient T _{max}				.3	70	O∘C	-		
	Tma (°C)		:							
Maximum r	neasured temperate	ure T of part/	/at:				Τ (°C)		Allowed T _{max} (°C)
PCB near B	EG25-G (3G/4G & L	TE Base HA	AT)	41	41.1 87.4				105	
PCB near l	J5 (3G/4G & LTE B	ase HAT)		39	39.7 86.0				105	
Ambient				23	23.7 70.0					
Accessible	part									
Supplemen	itary information:									
-										4
Temperatu	re T of winding:	t1 ('	°C)	R1 (Ω)	t2 (°C)	R2 (9	Ω) T (°C)	Allowed T _{max} (°C)	Insulation class
		-	-		-	-				
Supplemen	itary information:									
	tary information: a should be conside	ered as direc	ted by	appliable	e requ	uireme	ent			
Note 2: Tm	a is not included in	assessment	of Tou	ich Temp	eratu	res (C	Clause	9)		

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Penetration (mm)				
Object/ Part No./Material	Manufacturer/t rademark	T softening (°C)		
Supplementary information:				

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Clause	Requirement + Test			Result - Re	mark	Verdict
			_			
5.4.1.10.3	TABLE: Ball pre	essure test of thermoplastic	s			N/A
Allowed imp	ression diameter	(mm):	≤ 2 m	m		
Object/Part N	No./Material	Manufacturer/trademark	Tes	st temperature (°C)	Impression dia	meter (mm)
					ľ	
Supplementa	ary information:					

5.4.2.2, 5.4.2.4 and 5.4.3	TABLE: Minimum C	TABLE: Minimum Clearances/Creepage distance						N/A
	(cl) and creepage r) at/of/between:	Up (V)	U r.m.s. (V)	Frequenc y (kHz) ¹	Required cl (mm)	cl (mm) ²	Required ³ cr (mm)	cr (mm)
			Z					
Supplement	tary information:							
Note 2: See	y for frequency above 3 e table 5.4.2.4 if this is wide Material Group		electric st	rength test		C	FS	4

5.4.2.3	TABLE: Minimum Cle	TABLE: Minimum Clearances distances using required withstand voltage				
	Overvoltage Category	Overvoltage Category (OV):				
	Pollution Degree:					
Clearance	e distanced between:	Required withstand voltage	Required cl (mm)	Measur	ed cl (mm)	
		-				
Suppleme	ntary information:			•		

5.4.2.4	A TABLE: Clearances based on electric strength test						
Test voltage applied between: Required cl (mm) Test voltage (kV)					Breakdown Yes / No		
		-					
Supplement	Supplementary information:						

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Clause	Requirement + Test	Result - Remark	Verdict

5.4.4.2,	TABLE: Distance through insulation measurements						
5.4.4.5 c) 5.4.4.9							
Distance thr insulation di		Peak voltage (V)	Frequency (kHz)	Material	Required DTI (mm)	DTI (mm)	
						-	
Supplement	ary informatio	n:					

5.4.9	TABLE: Electric strength tests			N/A
Test voltage	e applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
Functional:				
-			-	
Basic/suppl	lementary:			-
-				
Reinforced:				
			-	
Routine Te	sts:			
		- 20		
Supplemen	tary information:			

5.5.2.2	5.5.2.2 TABLE: Stored discharge on capacitors						
Supply Volt	age (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification	
				-	-		
Supplemen	Supplementary information:						

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Clause	Requirement + Test	Result - Remark	Verdict

X-capacitors installed for testing are:

[] bleeding resistor rating:

[] ICX:

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)	
		-				
		-				
-					-	
Suppleme	entary information:	· ·		·	•	

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive pa	irt	N/A
Supply vol	tage:		_
Location		Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch curren (mA)
		1	-
		2*	<u> </u>
		3	
		4	-
		5	
		6	
		8	
Suppleme	ntary Information:		
	voltage is the anticipated maximum Touch Vol I neutral conductor [Voltage differences less th		
01 0	المحمالية والمحمد فيتحمد ومتناه والمحمد المحمد والمحمد و		

[3] Specify method used for measurement as described in IEC 60990 sub-clause 4.3

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[4] IEC60990, sub-clause 6.2.2.7, Fault 7 not applicable.

[5] (*) IEC60990, sub-clause 6.2.2.2 is not applicable if switch or disconnect device (e.g., appliance coupler) provided.

6.2.2 T	able: Electrica	power sources	(PS) measurements fo	or classification	Р				
Source Description		Measurement	Max Power after 3 s	Max Power after 5 s* ⁾	PS Classification				
SIM card slot		Power (W) :	0						
all pins to	normal	V _A (V) :	0		PS1				
GND		I _A (A) :	0						
Supplementary Information:									
(*) Measureme	ent taken only w	hen limits at 3 sec	conds exceed PS1 limit	S					

6.2.3.1	Table: Determination	Table: Determination of Potential Ignition Sources (Arcing PIS)									
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						
				-							
Suppleme	entary information:		·								
	entary information: PIS requires a minimum	of 50 V (peak) a.c.	or d.c. An Arcing P	IS is established wher	n the produc						

An Arcing PIS requires a minimum of 50 V (peak) a.c. or d.c. An Arcing PIS is established when the product the open circuit voltage (V_p) and normal operating condition rms current (I_{rms}) is greater than 15.

6.2.3.2	Table: Dete	ermination of Potentia	al Ignition Sour	ces (Resistive F	PIS)	N/A
Circuit Location (x-y) 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	
	_					
Supplemen	tary Informati	on:				

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, <u>or</u> (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.

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Clause	Requirement + Test	Result	t - Remark	Verdict	
8.5.5	TABLE: High Pressure Lamp	4		N/A	
Description		Values	Energy Source C	lassification	
Lamp type .			_		
Manufactur	er:		_		
Cat no	· · · · · · · · · · · · · · · · · · ·		—		
Pressure (cold) (MPa):			MS_		
Pressure (o	perating) (MPa)		MS_		
Operating ti	me (minutes)		-		
Explosion n	nethod		_		
Max particle	e length escaping enclosure (mm).:		MS_		
Max particle	e length beyond 1 m (mm):		MS_		
Overall resu	ılt				
Supplemen	tary information:				

B.2.5 TABLE: Input test									
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	l fuse (A)	Cond	ition/status
5Vd.c.		1.94	3	9.89				Max. r	normal load

Supplementary information:

1. Equipment may be have rated current or rated power or both. Both should be measured.

2. Maximum normal load:

Equipment test with host computer (Raspberry Pi 4 Model B) and supplied by external power adapter (Kuantech / KSA-15E-051300HE) that provided by client. During the tests, the host computer connect to a monitor via mini HDMI port then play video, the I/O ports of host computer load to rated which shown as below.

USB 2.0 port: connected with mouse.

USB 3.0 port A: connected with keyboard.

USB 3.0 port B: load to 0.9A.

B.3	TABLE: Abnorm	al operating	condition to	ests						N/A
Ambient temp	Ambient temperature (°C):									
Power source	Power source for EUT: Manufacturer, model/type, output rating .:									
Component N	No. Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fu: curren		T-couple	Temp. (°C)	0	bservation
						-				

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Clause	Requirement + Test	Result - Remark	Verdict

B.3	TABLE: Abnorm	al operating o	condition to	ests						N/A	
Ambient terr	perature (°C)		<u> </u>		:					_	
Power source for EUT: Manufacturer, model/type, output rating .:											
Component	No. Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current, (A)T-couple (°C)Temp. O (°C)O O				bservation		
Supplement	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.

B.4	TAB	LE: Fault co	ondition tests								Р	
Ambient terr	npera	ture (°C)				:		25°C	,		_	
Power source	Power source for EUT: Manufacturer, model/type, output rating .:											
Component	No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fu currer				bservation		
U\$1 pin7 –	3,4	SC	5Vdc	10min	1	-	-	U P		Sh	Unit Shutdown. No hazards.	
Supplement	Supplementary information:											
SC = short of	circuit	is										

Annex M.3	TABLE: Batt	eries							N/A
The tests of A	nnex M are a	oplicable o	only when app	propriate b	attery data	is not ava	ilable		
Is it possible t	to install the ba	attery in a	reverse polar	ity positior	ı?	:			
	Non-rec	hargeable	e batteries		F	Rechargeal	ole batteri	es	
	Dischar	rging	Un-	Cha	rging	Disch	arging	Reverse	d charging
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during norma condition	I			-			-		
Max. current during fault condition			35						
Test results:	est results:								
- Chemical lea	aks							-	

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	IEC 02300-1			
Clause	Requirement + Test	Result -	Verdict	
- Explosion	of the battery			
- Emission of flame or expulsion of molten metal				
- Electric str	ength tests of equipment after completion of tests			
Supplement	ary information:			

	ole: Add teries	itional safe	eguards for equ	uipment cor	ntaining seconda	ry lithium	N/A	
Battery/Ce	ell	Test conditions			Measurements	3	Observation	
No.				U	I (A)	Temp (C)		
		Normal		<u>.</u>				
		Abnormal						
		Single fau	lt –SC/OC			-		
Supplementary I	nformati	on:						
Battery identification	1	arging at r _{lowest} (°C)	Observa	ition	Charging at T _{highest} (°C)	Obs	ervation	
Supplementary Information:								

		TABLE: Circuits intended for interconnection with building wiring (LPS) N					
Note: Measur	ed UOC (V) with all lo	ad circuits disco	onnected:				
Output	Components	U _{oc} (V)	I _{sc}	(A)	S (\	VA)	
Circuit			Meas.	Limit	Meas.	Limit	
-					<u> </u>		
Supplementar	ry Information:						
SC=Short circ	uit, OC=Open circuit						

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	120 02000-1		
Clause	Requirement + Test	Result - Remark	Verdict

T.2, T.3, T.4, T.5	TABL	ABLE: Steady force test						
Part/Locat	tion	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation		
	X							
Supplement	ary info	ormation:						

T.6, T.9	TAB	LE: Impact tests				N/A
Part/Locatio	on	Material	Thickness (mm)			
Supplementa	ry info	ormation:				
						1

T.7 TABLE: Drop tests								
Part/Location	Material	Thickness (mm)	Drop Height (mm)	Observation				
		-						
Supplementary information:								

	Т.8	TABLE: Stress relief test N								
	Part/Locati	ion	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation			
						I				
<	Supplementary information:									

--- END OF REPORT ---

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Clause

Requirement + Test

Result - Remark

Verdict

Attachment 1 European Group Differences And National Differences

(Audio/v		AN GROUP DI	IEC 6	TO TEST REPO 2368-1 ES AND NATIO chnology equipm	NAL DIFFER		ents)		
Differences a	ccording to	EN	l 62368-1:2	2014+A11:2017					
Attachment F	orm No	EL	J_GD_IEC6	62368_1D_II					
Attachment C	Driginator	: Ne	mko AS						
Master Attac	hment	: Da	te 2021-02	2-04					
	eva, Switzerla	and. All rights	reserved.		ation of Elec	trical Equipme	nt		
					a which are a	dditional to			
		62368-1:2014		ures and annexes d "Z".	s which are a		_		
CONTENTS	Add the following annexes:								
	Annex ZA (normative) Normative references to international publications								
	Annex ZB (normative)with their corresponding European publicationsAnnex ZC (informative)Special national conditionsAnnex ZD (informative)A-deviationsIEC and CENELEC code designations for flexible cords								
	Delete all the "country" notes in the reference document (IEC 62368-1:2014) according to the following list:								
	0.2.1	Note	1	Note 3	4.1.15	Note			
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c			
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note			
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3			
	5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4			
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3			
	For special national conditions, see Annex ZB.								

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	_		
Clause	Requirement + Test	Result - Remark	Verdic
1	Add the following note: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2011/65/EU.		Р
4.Z1	Add the following new subclause after 4.9: To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains , protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective	Class III equipment, not applicable.	N/A
	 devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; 		
	c) it is permitted for pluggable equipment type B or permanently connected equipment , to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.	SGD	
	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.		
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No external circuits.	N/A
10.2.1	Add the following to ^{c)} and ^{d)} in table 39: For additional requirements, see 10.5.1.	No such parts.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
10.5.1	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those	Not applicable.	N/A
	internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	Str	4
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.		
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm ² , at any point 10 cm from the outer surface of the apparatus.		
	Moreover, the measurement shall be made under fault conditions causing an increase of the high- voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	cs	
	For RS1, the dose-rate shall not exceed 1 μSv/h taking account of the background level.		
	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.		
10.6.1	Add the following paragraph to the end of the subclause:	No such parts.	N/A
	EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.		
10.Z1	Add the following new subclause after 10.6.5.	No non-ionizing radiation.	N/A
	10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz		
	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).	CFD	t
	For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For hand- held and body-mounted devices, attention is drawn to EN 50360 and EN 50566		
G.7.1	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	No such parts.	N/A

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Clause	Requirement + Te	est	Result - Remark	Verdic
Bibliography	Add the following standards:		N/A	
	Add the following notes for the standards indicated:			
	IEC 60130-9 NOTE Harmonized as EN 60130-9.			
	IEC 60269-2 NOTE Harmonized as HD 60269-2.			
	IEC 60309-1 NOTE Harmonized as EN 60309-1.			
	IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series.			
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.			
	IEC 60664-5 NOTE Harmonized as EN 60664-5.			
	IEC 61032:1997	NOTE Harmonized as EN 61032	2:1998 (not modified).	
	IEC 61508-1	NOTE Harmonized as EN 61508	3-1.	
	IEC 61558-2-1	NOTE Harmonized as EN 61558	8-2-1.	
	IEC 61558-2-4	NOTE Harmonized as EN 61558	8-2-4.	
	IEC 61558-2-6	NOTE Harmonized as EN 61558	3-2-6.	
	IEC 61643-1	NOTE Harmonized as EN 61643		
	IEC 61643-21	NOTE Harmonized as EN 61643		
	IEC 61643-311			
	IEC 61643-321	NOTE Harmonized as EN 61643		
	IEC 61643-331	NOTE Harmonized as EN 61643		
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)			
4.1.15		d, Norway and Sweden	Class III equipment.	N/A
	To the end of the subclause the following is added:			
		equipment type A intended for		
		er equipment or a network shall, if		
	safety relies on connection to reliable earthing or if surge suppressors are connected between the			
	network terminals and accessible parts, have a			
	0 0	at the equipment shall be		
		arthed mains socket-outlet.	1	
	-	n the applicable countries shall be		
	as follows:			
	In Denmark : "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til			
	stikproppens jord."			
	In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"			
	In Norway : "Apparatet må tilkoples jordet stikkontakt"			
	In Sweden : "Appa uttag"	araten skall anslutas till jordat		
4.7.3	United Kingdom No such parts.		N/A	
	To the end of the	subclause the following is added:		
	complying with BS	performed using a socket-outlet 5 1363, and the plug part shall be elevant clauses of BS 1363. Also		

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Clause	Requirement + Test	Result - Remark	Verdic
5.2.2.2	Denmark	Class III equipment, no such	N/A
	After the 2nd paragraph add the following:	application.	
	A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.		
5.4.11.1 and	Finland and Sweden	No external circuits.	N/A
Annex G	To the end of the subclause the following is added:		4
	For separation of the telecommunication network from earth the following is applicable:		
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either		
	 two layers of thin sheet material, each of which shall pass the electric strength test below, or 		
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.		
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	SGS	
	• passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV), and		
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5kV.		
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.		
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:	CGD	T
	• the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384- 14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;		
	• the additional testing shall be performed on all the test specimens as described in EN 60384-14;		
	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.		

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Clause	Requirement + Test	Result - Remark	Verdic
5.5.2.1	Norway After the 3rd paragraph the following is added: Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Class III equipment, not applicable.	N/A
5.5.6	Finland, Norway and Sweden To the end of the subclause the following is added: Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	Class III equipment, not applicable.	N/A
5.6.1	Denmark Add to the end of the subclause Due to many existing installations where the socket- outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	Class III equipment, not applicable.	N/A
5.6.4.2.1	 Ireland and United Kingdom After the indent for pluggable equipment type A, the following is added: – the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug. 	Class III equipment, not applicable.	N/A
5.6.5.1	To the second paragraph the following is added: The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm ² to 1,5 mm ² in cross-sectional area.	Class III equipment, not applicable.	N/A
5.7.5	Denmark To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Class III equipment, not applicable.	N/A

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Clause	Requirement + Test	Result - Remark	Verdic
5.7.6.1	Norway and Sweden	Class III equipment, not applicable.	N/A
	To the end of the subclause the following is added:	applicable.	
	The screen of the television distribution system is		
	normally not earthed at the entrance of the building and there is normally no equipotential bonding		
	system within the building. Therefore the protective		
	earthing of the building installation needs to be		
	isolated from the screen of a cable distribution		
	system.		
	It is however accepted to provide the insulation		
	external to the equipment by an adapter or an interconnection cable with galvanic isolator, which		
	may be provided by a retailer, for example.		
	The user manual shall then have the following or		
	similar information in Norwegian and Swedish		
	language respectively, depending on in what		
	country the equipment is intended to be used in:		
	"Apparatus connected to the protective earthing of the building installation through the mains		
	connection or through other apparatus with a		
	connection to protective earthing – and to a		
	television distribution system using coaxial cable,		
	May in some circumstances create a fire hazard. Connection to a television distribution system		
	therefore has to be provided through a device		
	providing electrical isolation below a certain		
	frequency range (galvanic isolator, see EN 60728- 11)"		
	NOTE In Norway, due to regulation for CATV-installations, and in Sweden, a galvanic isolator shall provide electrical insulation		
	below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.		
	Translation to Norwegian (the Swedish text will also		
	be accepted in Norway):		
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og		
	er tilkoplet et koaksialbasert kabel-TV nett, kan		
	forårsake brannfare. For å unngå dette skal det		
	ved tilkopling av apparater til kabel-TV nett		
	installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."		
	Translation to Swedish:		
	"Apparater som är kopplad till skyddsjord via jordat		
	vägguttag och/eller via annan utrustning och		
	samtidigt är kopplad till kabel-TV nät kan i vissa fall		
	medfőra risk főr brand. Főr att undvika detta skall		
	vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och		
	kabel-TV nätet.".		

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Clause

5.7.6.2

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	-		
	Requirement + Test	Result - Remark	Verdict
	Denmark	Class III equipment, not	N/A
	To the end of the subclause the following is added:	applicable.	
	The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA .		
Ireland and United Kingdom		Class III equipment, not	N/A
	The following is applicable:	applicable.	1
	To protect against excessive currents and short-		
	circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and		
	B.4 shall be conducted using an external miniature		
	circuit breaker complying with EN 60898-1, Type B,		
	rated 32A. If the equipment does not pass these		
	tests, suitable protective devices shall be included		

B.3.1 and B.4	Ireland and United Kingdom	Class III equipment, not	N/A
	The following is applicable: To protect against excessive currents and short- circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met	applicable.	
G.4.2	Denmark To the end of the subclause the following is added:	Class III equipment, not applicable.	N/A
	Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.		
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.		
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a.	CGS	
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.		
	Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1- 7a		
	<i>Justification:</i> Heavy Current Regulations, Section 6c		

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Clause	Requirement + Test	Result - Remark	Verdic
G.4.2	United Kingdom To the end of the subclause the following is added: The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	C	N/A
G.7.1	United Kingdom To the first paragraph the following is added: Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations. NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	Class III equipment, not applicable.	N/A
G.7.1	Ireland To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	Class III equipment, not applicable.	N/A
G.7.2	Ireland and United Kingdom To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.	Class III equipment, not applicable.	N/A

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Verdict

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Requirement + Test

Result - Remark

ZC 10.5.2	ANNEX ZC, NATIONAL DEVIATIONS (EN)		—
	Germany The following requirement applies:	No CRT tube.	N/A
	For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.	CGS	4
	<i>Justification:</i> German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.		
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int +49-531-592-6320, Internet: http://www.ptb.de		

-- End of Attachment 1 --

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Clause

Requirement + Test

Result - Remark

Verdict

Attachment 2 Italy National Differences

(Audio/vi	ATTACHMENT TO TEST REI IEC 62368-1 ITALY NATIONAL DIFFEREN deo, information and communication technology equi	NCES	ents)
Differences a	ccording to CEI EN 62368-1:2016		
Attachment F	orm No IT_ND_IEC62368_1D		
Attachment C	Driginator IMQ S.p.A.		
	nment Date 2021-02-04		
Copyright © 2 (IECEE), Gen	2021 IEC System for Conformity Testing and Certi eva, Switzerland. All rights reserved.	fication of Electrical Equipmen	t
	National Differences		N/A
F.1	Italy	Not TV	N/A
	 The following requirements shall be fulfilled: The power consumption in Watts (W) shall be indicated on TV receivers and in their instruction for use (Measurement according to EN 60555-2). Note: EN 60555-2 has since been replaced by IEC 60107-1:1997. TV receivers shall be provided with an instruction for use, schematic diagrams and adjustments procedure in Italian language. Marking for controls and terminals shall be in Italian language. Abbreviation and international symbols are allowed provided that they are explained in the instruction for use. The ECC manufacturers are bound to issue a conformity declaration according to the above requirements in the instruction manual. The correct statement for conformity to be written in the instruction manual, shall be: Questo apparecchio è fabbricato nella CEE nel rispetto delle disposizioni del D.M. marzo 1992 ed è in particolare conforme alle prescrizioni dell'art. 1 dello stesso D.M. The first importers of TV receivers manufactured outside EEC are bound to submit the TV receivers for previous conformity certification to the Italian Post Ministry (PP.TT). The TV receivers shall have 		

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IEC62368_1D - ATTACHMENT Clause Requirement + Test Result - Remark Verdict D.M. 26/03/1992 xxxxx/xxxxx/S or T or pT S for stereo T for Teletext T for Teletext T for Teletext Justification: Image: State of the state

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-- End of Attachment 2 --

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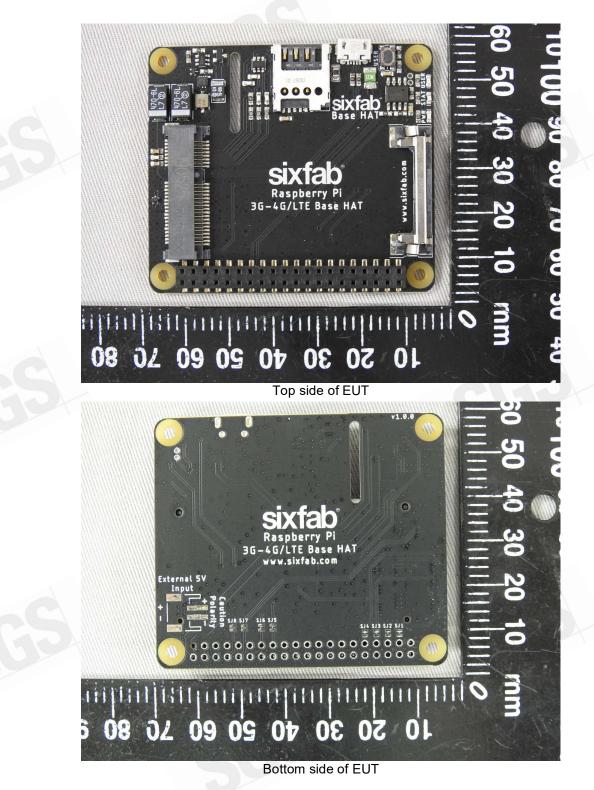
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Attachment 3 Photographs



- End of Attachment 3 --

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