

TEST REPORT

IEC 62368-1

Audio/video, information and communication technology equipment Part 1: Safety requirements

Report Number...... BCTC-FY180100373S

Date of issue...... Jan. 26, 2018

Total number of pages......53

Testing Laboratory...... Shenzhen BCTC Testing Co., Ltd.

Address..... : BCTC Building & 1-2F, East of B Building, Pengzhou Industrial,

Fuyuan 1st Road, Qiaotou Community, Fuyong Street, Bao'an

District, Shenzhen, China

Applicant's name...... Shenzhen Sonoff Technologies Co., Ltd.

Address...... 301, 3F, BLDG 52, the Third Industrial Park, Bantian, Longgang

District Shenzhen, GD, 518055 China.

Test specification:

Standard...... IEC 62368-1:2014 (Second Edition)

EN 62368-1:2014

Test procedure.....: CE-LVD

Non-standard test method..... N/A

Test Report Form No...... IEC 62368_1B

Test Report Form(s) Originator.....: UL(US)

Master TRF...... 2014-03

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Test item description.....: Sonoff RF Bridge

Manufacturer..... Shenzhen Sonoff Technologies Co., Ltd.

301, 3F, BLDG 52, the Third Industrial Park, Bantian, Longgang

District Shenzhen, GD, 518055 China

Model/Type reference..... Sonoff RF Bridge 433

Ratings..... Input: DC 5V=== 1A

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Shenzhen BCTC Testing Co., Ltd.

Report No.: BCTC-FY180100373S Testing procedure and testing location: Testing Laboratory...... Shenzhen BCTC Testing Co., Ltd. BCTC Building & 1-2F, East of B Building, Pengzhou Address....: Industrial, Fuyuan 1st Road, Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China Date of Test...... Jan. 18, 2018 - Jan. 26, 2018 Tim Luo Tested by (name + signature)....: Tim Luo Reviewer (name + signature)..... Levi Li Approved (name + signature).....: Andy Yan



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

- -- Attachment I: 3 pages for EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES
- -- Attachment II: 4 pages for Photo documentation.

Summary of testing:

Tests performed (name of test and test clause):

-- EN 62368-1:2014;

The submitted samples were found to comply with the requirements of above specification.

Testing location:

BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road, Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China

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Copy of marking plate

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

(Additional requirements for markings. See 1.7 NOTE)

Sonoff RF Bridge

Model No.: Sonoff RF Bridge 433

Input: 5V=== 1A









Importer: XXXXXX Address: XXXXXX

Manufacturer: Shenzhen Sonoff Technologies Co., Ltd. Address: 301, 3F, BLDG 52, the Third Industrial Park, Bantian,

Longgang District Shenzhen, GD, 518055 China

Made in China

Remark on above marking:

- 1, The height of CE symbols is more than 5 mm;
- 2, The height of WEEE symbols is more than 7 mm;

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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	
	- ☑ ES1 ☐ ES2 ☐ ES3	
Supply % Tolerance	+10%/-10%	
	+20%/-15%	
	<u> </u>	
	None	
Supply Connection – Type:	pluggable equipment type A -	
	non-detachable supply cord	
	appliance coupler	
	direct plug-in	
	mating connector	
	pluggable equipment type B -	
	non-detachable supply cord	
	appliance coupler	
	□ permanent connection □ mating connector ☑ other: Supplied by DC 5V	
Considered current rating of protective device as	Installation location: building; equipment;	
part of building or equipment installation:	⊠ N/A	
Equipment mobility:	□ movable □ hand-held □ transportable □ stationary □ for building-in □ direct plug-in □ rack-mounting □ wall-mounted	
Over voltage category (OVC)	OVC I OVC II OVC III	
	OVC IV other:	
Class of equipment:	☐ Class I ☐ Class II ☐ Class III	
Access location		
Pollution degree (PD):	□ PD 1	
Manufacturer's specified maxium operating ambient:	nt: 35°C	
IP protection class	☑ IPX0 □ IP	
Power Systems:	□ TN □ TT □ IT V _{L-L} ⊠ N/A	
Altitude during operation (m)	☑ 2000 m or less ☐ m	
Altitude of test laboratory (m)	☑ 2000 m or less ☐ m	
Mass of equipment (kg)	☑ Approx.<1kg	

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Snenznen BCTC Tes	sting Co., Ltd. Report No.: BCTC-FY18010037
POSSIBLE TEST CASE VERDICTS:	
- test case does not apply to the test object	: N/A
- test object does meet the requirement	: P (Pass)
- test object does not meet the requirement	: F (Fail)
TESTING:	
Date of receipt of test item	: Jan. 18, 2018
Date (s) of performance of tests	: Jan. 18, 2018 - Jan. 26, 2018
GENERAL REMARKS:	·
Throughout this report a comma / point When differences exist; they shall be identified	
GENERAL PRODUCT INFORMATION:	
Product Description: 1. The EUT is Sonoff RF Bridge, for class III equipment. According to the information technology equipment. The maximum operation the ambient temperation.	
Model Differences:	
N/A	
Additional application considerations – (Consassembly) –	iderations used to test a component or sub-
N/A	

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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.

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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)	
All 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

Source of power or PIS	Corresponding classification (PS)	
All circuits	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

Source of hazardous substances	Corresponding chemical	
N/A	N/A	

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)
Equipment mass	MS1
Sharp edges and corners	MS1

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)	
External surface of the apparatus	TS1 (Consider room ambient of 25 °C)	

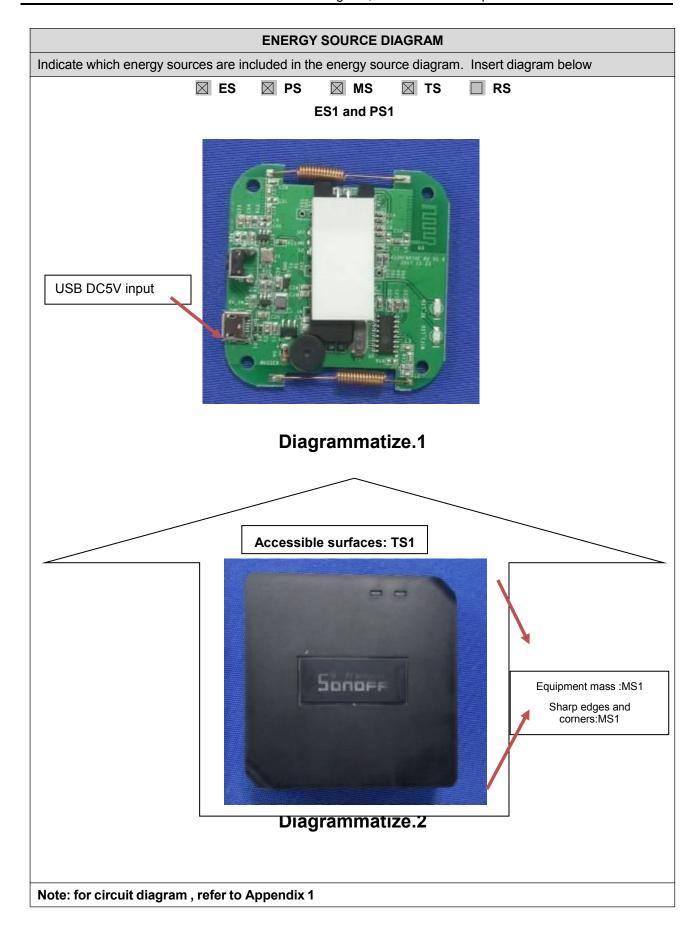
Radiation (Clause 10)

(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		Corresponding classification (RS)	
	N/A	N/A	

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OVERVIEW OF EMPLOYE	D SAFEGUARDS			
Clause	Possible Hazard			
5.1	Electrically-caused injury			
Body Part	Energy Source	Safeguards		
(e.g. Ordinary)	(ES1: All circuit)	Basic	Supplementary	Reinforced (Enclosur)
Ordinary	ES1: All circuit and Enclosure outside	N/A	N/A	N/A
6.1	Electrically-caused fire			
Material part	Energy Source		Safeguards	
(e.g. mouse enclosure)	(PS1: All circuit)	Basic	Supplementary	Reinforced
Ordinary	(PS1: All circuit)			
Plastic enclosure	PS1			
7.1	Injury caused by hazardous	substances		1
Body Part	Energy Source	Safeguards		
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced
N/A				
8.1	Mechanically-caused injury			
Body Part	Energy Source	Safeguards		
(e.g. Ordinary)	(MS1:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosur)
Ordinary person	MS1: Equipment mass			
Ordinary	MS1: Sharp edges and corners	N/A	N/A	N/A
9.1	Thermal Burn	n		
Body Part	Energy Source	Safeguards		
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced
Ordinary	TS1: Accessible surfaces	N/A	N/A	N/A
10.1	Radiation			
Body Part	Energy Source Safeguards			
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced
N/A				

Supplementary Information:

- (1) See attached energy source diagram for additional details.
- (2) "N" Normal Condition; "A" Abnormal Condition; "S" Single Fault

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IEC 62368-1 Clause Requirement + Test Result - Remark Verdict 4 **GENERAL REQUIREMENTS** Ρ 4.1.1 Acceptance of materials, components and Р subassemblies 4.1.2 Use of components Ρ 4.1.3 Equipment design and construction Ρ 4.1.15 Markings and instructions..... (See Annex F) Ρ 4.4.4 Ρ Safeguard robustness 4.4.4.2 Steady force tests....: (See Annex T.4) Ρ Ρ 4.4.4.3 Drop tests....: (See Annex T.7) 4.4.4.4 N/A Impact tests....: Transportable equipment 4.4.4.5 Internal accessible safeguard enclosure and No such enclosure and N/A barrier tests....: barrier 4.4.4.6 N/A Glass Impact tests....: No glass used Ρ 4.4.4.74 (See Annex T.8) Thermoplastic material tests.....: 4.4.4.8 No such safeguard used N/A Air comprising a safeguard.....: Ρ 4.4.4.9 Accessibility and safeguard effectiveness All other safeguards remain effective and no class 3 energy sources become accessible. 4.5 Ρ Explosion 4.6 Fixing of conductors 5Vd.c supplied N/A apparatus, no safeguard can be defeated after displacement of internal wires 4.6.1 Fix conductors not to defeat a safeguard N/A 4.6.2 10 N force test applied to: N/A 4.7 Equipment for direct insertion into mains socket -Not such equipment N/A outlets 4.7.2 Mains plug part complies with the relevant N/A standard....:: 4.7.3 N/A Torque (Nm)....: 4.8 N/A Products containing coin/button cell batteries No such battery used 4.8.2 Instructional safeguard N/A 4.8.3 N/A **Battery Compartment Construction** Means to reduce the possibility of children removing the battery..... 4.8.4 Battery Compartment Mechanical Tests..... N/A 4.8.5 **Battery Accessibility** N/A

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Clause	Requirement + Test	Result - Remark	Verdict
4.9	Likelihood of fire or shock due to entry of conductive object		Р

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5 ELECTRICALLY-CAUSED INJURY		Р	
5.2.1	Electrical energy source classifications:	5Vd.c supplied apparatus, only ES1 existed	Р
5.2.2	ES1, ES2 and ES3 limits	The accessible enclosure is considered as ES1 circuit.	Р
		See appended table 5.2)	
5.2.2.2	Steady-state voltage and current:		N/A
5.2.2.3	Capacitance limits:		N/A
5.2.2.4	Single pulse limits:		N/A
5.2.2.5	Limits for repetitive pulses:		N/A
5.2.2.6	Ringing signals:		N/A
5.2.2.7	Audio signals	See clause E.1	N/A
5.3	Protection against electrical energy sources		N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons		N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards		N/A
5.3.2.2	Contact requirements		N/A
	a) Test with test probe from Annex V		N/A
	b) Electric strength test potential (V):		N/A
	c) Air gap (mm)		N/A
5.3.2.4	Terminals for connecting stripped wire		N/A
5.4	Insulation materials and requirements		N/A
5.4.1.2	Properties of insulating material		Р
5.4.1.3	Humidity conditioning:		Р
5.4.1.4	Maximum operating temperature for insulating materials		N/A
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		N/A
5.4.1.7	Insulation in circuits generating starting pulses		N/A
5.4.1.8	Determination of working voltage		N/A
5.4.1.9	Insulating surfaces		N/A

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause 5.4.1.10 Thermoplastic parts on which conductive metallic N/A parts are directly mounted 5.4.1.10.2 Vicat softening temperature.....: N/A Class III equipment, 5.4.1.10.3 Ball pressure: N/A no hazardous voltage parts in the EUT 5.4.2 Clearances Class III equipment N/A 5.4.2.2 Determining clearance using peak working voltage N/A 5.4.2.3 N/A Determining clearance using required withstand voltage: a) a.c. mains transient voltage.....: b) d.c. mains transient voltage: c) external circuit transient voltage.....: d) transient voltage determined by measurement 5.4.2.4 Determining the adequacy of a clearance using an N/A electric strength test 5.4.2.5 Multiplication factors for clearances and test N/A voltages.....: 5.4.3 Creepage distances....: N/A 5.4.3.1 N/A General 5.4.3.3 Material Group: 5.4.4 Solid insulation N/A 5.4.4.2 N/A Minimum distance through insulation: 5.4.4.3 N/A Insulation compound forming solid insulation 5.4.4.4 Solid insulation in semiconductor devices N/A 5.4.4.5 N/A Cemented joints 5.4.4.6 Thin sheet material N/A N/A 5.4.4.6.1 General requirements 5.4.4.6.2 N/A Separable thin sheet material Number of layers (pcs): 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 N/A sheet material :: 5.4.4.6.5 N/A Mandrel test 5.4.4.7 Solid insulation in wound components N/A 5.4.4.9 Solid insulation at frequencies >30 kHz.....: N/A 5.4.5 Antenna terminal insulation N/A 5.4.5.1 General N/A

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause 5.4.5.2 Voltage surge test N/A Insulation resistance (M Ω)....: 5.4.6 Insulation of internal wire as part of supplementary N/A safeguard.....: 5.4.7 Tests for semiconductor components and for N/A cemented joints 5.4.8 Humidity conditioning N/A Relative humidity (%)....: Temperature (°C): Duration (h): Class III equipment, not 5.4.9 Electric strength test.....: N/A directly connected to the mains 5.4.9.1 Test procedure for a solid insulation type test N/A 5.4.9.2 N/A Test procedure for routine tests 5.4.10 Protection against transient voltages between N/A external circuit 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....: N/A 5.4.10.2.3 Steady-state test.....: N/A 5.4.11 Insulation between external circuits and earthed N/A circuitry.....: 5.4.11.1 Exceptions to separation between external circuits N/A and earth 5.4.11.2 Requirements N/A Rated operating voltage U_{op} (V)..... Nominal voltage U_{peak} (V).....: Max increase due to variation U_{sp} Max increase due to ageing ΔU_{sa}: $U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa}$ 5.5 Components as safeguards 5.5.1 General N/A 5.5.2 Capacitors and RC units N/A N/A 5.5.2.1 General requirement 5.5.2.2 Safeguards against capacitor discharge after N/A disconnection of a connector.....: Transformers 5.5.3 N/A

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
5.5.4	Optocouplers	No Optocouplers	N/A
5.5.5	Relays		N/A
5.5.6	Resistors		N/A
5.5.7	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:		N/A
5.6	Protective conductor		N/A
5.6.2	Requirement for protective 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 (mm²):		_
5.6.4	Requirement for protective bonding conductors		N/A
5.6.4.1	Protective bonding conductors		N/A
	Protective bonding conductor size (mm²):		
	Protective current rating (A):		_
5.6.4.3	Current limiting and overcurrent protective devices		N/A
5.6.5	Terminals for protective conductors		N/A
5.6.5.1	Requirement		N/A
	Conductor size (mm²), nominal thread diameter (mm):		N/A
5.6.5.2	Corrosion		N/A
5.6.6	Resistance of the protective system		N/A
5.6.6.1	Requirements		N/A
5.6.6.2	Test Method Resistance (Ω):		N/A
5.6.7	Reliable earthing		N/A
5.7	Prospective touch voltage, touch current and protect	ctive conductor current	N/A
5.7.2	Measuring devices and networks		N/A
5.7.2.1	Measurement of touch current		N/A
5.7.2.2	Measurement of prospective touch voltage		N/A
5.7.3	Equipment set-up, supply connections and earth connections		N/A
	System of interconnected equipment (separate connections/single connection)		_

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	IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict	
	Multiple connections to mains (one connection at a time/simultaneous connections)		_	
5.7.4	Earthed conductive accessible parts		N/A	
5.7.5	Protective conductor current		N/A	
	Supply Voltage (V):		_	
	Measured current (mA)			
	Instructional Safeguard:		N/A	
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	
5.7.7	Summation of touch currents from external circuits		N/A	
	a) Equipment with earthed external circuits Measured current (mA):		N/A	
	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):		N/A	

6	ELECTRICALLY- CAUSED FIRE		Р
6.2	Classification of power sources (PS) and potential ignition sources (PIS)		N/A
6.2.2	Power source circuit classifications	PS1	Р
6.2.2.1	General		N/A
6.2.2.2	Power measurement for worst-case load fault:		N/A
6.2.2.3	Power measurement for worst-case power source fault	<15W	Р
6.2.2.4	PS1		Р
6.2.2.5	PS2		N/A
6.2.2.6	PS3		N/A
6.2.3	Classification of potential ignition sources		N/A
6.2.3.1	Arcing PIS	No arcing PIS exists	N/A
6.2.3.2	Resistive PIS	No identification of resistive PIS required due to providing fire enclosure and it complied with requirements of sub -clause 6.4.8	N/A
6.3	Safeguards against fire under normal operating and abnormal operating conditions		N/A
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	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	N/A

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
6.3.1 (b)	Combustible materials outside fire enclosure	V-0 enclosure and PCB used	N/A
6.4	Safeguards against fire under single fault conditions		N/A
6.4.1	Safeguard Method	Control of fire spread	N/A
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	V-0 enclosure and PCB used	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits		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		N/A
6.4.3.3	Single Fault Conditions:		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		N/A
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2)	N/A
6.4.6	Control of fire spread in PS3 circuit	No PS3 exist	N/A
6.4.7	Separation of combustible materials from a PIS	Fire enclosure used	N/A
6.4.7.1	General:		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	The fire enclosure is the overall enclosure	N/A
6.4.8.1	Fire enclosure and fire barrier material properties	V-0	N/A
6.4.8.2.1	Requirements for a fire barrier		N/A
6.4.8.2.2	Requirements for a fire enclosure		N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier		N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No 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)		N/A
	Needle Flore test		NI/A
64024	Needle Flame test		N/A
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)		N/A
	Flammability tests for the bottom of a fire enclosure:		N/A
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):		N/A

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Shenzhen BCTC Testing Co., Ltd.

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Clause	Requirement + Test	Result - Remark	Verdict
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating:	V-0	N/A
6.5	Internal and external wiring		N/A
6.5.1	Requirements		N/A
6.5.2	Cross-sectional area (mm²):		_
6.5.3	Requirements for interconnection to building wiring	No such wiring	N/A
6.6	Safeguards against fire due to connection to additional equipment	The external DC source is assumed to be PS1	N/A
	External port limited to PS2 or complies with Clause Q.1		N/A

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7	INJURY CAUSED BY HAZARDOUS SUBSTANCES		N/A
7.2	Reduction of exposure to hazardous substances		N/A
7.3	Ozone exposure	No ozone produced.	N/A
7.4	Use of personal safeguards (PPE)		N/A
	Personal safeguards and instructions		_
7.5	Use of instructional safeguards and instructions		N/A
	Instructional safeguard (ISO 7010)		_
7.6	Batteries:	(See Annex M)	N/A

8	MECHANICALLY-CAUSED INJURY		Р
8.1	General	Enclosure is smooth and no mechanical energy sources	Р
8.2	Mechanical energy source classifications	MS1	Р
8.3	Safeguards against mechanical energy sources	No additional safeguards is needed to against mechanical energy sources	N/A
8.4	Safeguards against parts with sharp edges and corners	No sharp edges and corners.	Р
8.4.1	Safeguards		N/A
8.5	Safeguards against moving parts	No moving parts within EUT	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		N/A

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause 8.5.4.1 Large data storage equipment No Large data storage N/A equipment 8.5.4.2 Equipment having electromechanical device for N/A destruction of media 8.5.4.2.1 Safeguards and Safety Interlocks.....: 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)..... N/A 8.5.5 N/A High Pressure Lamps N/A 8.5.5.1 **Energy Source Classification** 8.5.5.2 High Pressure Lamp Explosion Test.....: N/A 8.6 No stability requirements for Stability N/A 8.6.1 Product classification N/A Instructional Safeguard....: 8.6.2 N/A Static stability 8.6.2.2 Static stability test N/A Applied Force....: 8.6.2.3 Downward Force Test N/A 8.6.3 Relocation stability test N/A Unit configuration during 10° tilt..... 8.6.4 Glass slide test N/A 8.6.5 N/A Horizontal force test (Applied Force).....: Position of feet or movable parts.....: 8.7 Equipment mounted to wall or ceiling N/A 8.7.1 Mounting Means (Length of screws (mm) and N/A mounting surface): 8.7.2 N/A Direction and applied force....: 8.8 No handle Handles strength N/A 8.8.1 Classification N/A 8.8.2 Applied Force: N/A No wheels within EUT N/A 8.9 Wheels or casters attachment requirements 8.9.1 N/A Classification 8.9.2 Applied force....: 8.10 Carts, stands and similar carriers Not such devices N/A 8.10.1 N/A General

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8.10.2	Marking and instructions		N/A
	Instructional Safeguard		
8.10.3	Cart, stand or carrier loading test and compliance		N/A
	Applied force		_
8.10.4	Cart, stand or carrier impact test		N/A
8.10.5	Mechanical stability		N/A
	Applied horizontal force (N)		_
8.10.6	Thermoplastic temperature stability (°C):		N/A
8.11	Mounting means for rack mounted equipment	Not such apparatus	N/A
8.11.1	General		N/A
8.11.2	Product Classification		N/A
8.11.3	Mechanical strength test, variable N:		N/A
8.11.4	Mechanical strength test 250N, including end stops		N/A
8.12	Telescoping or rod antennas	No antennas	N/A
	Button/Ball diameter (mm):		_

9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications	Classified as TS1	Р
9.3	Safeguard against thermal energy sources		Р
9.4	Requirements for safeguards		N/A
9.4.1	Equipment safeguard	Not required due to TS1	N/A
9.4.2	Instructional safeguard:		N/A

10	RADIATION		N/A
10.2	Radiation energy source classification	No such radiation energy source	N/A
10.2.1	General classification		N/A
10.3	Protection against laser radiation		N/A
	Laser radiation that exists equipment:		_
	Normal, abnormal, single-fault:		N/A
	Instructional safeguard:		_
	Tool:		_
10.4	Protection against visible, infrared, and UV radiation		N/A
10.4.1	General		N/A
10.4.1.a)	RS3 for Ordinary and instructed persons:		N/A

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause 10.4.1.b) RS3 accessible to a skilled person....: N/A Personal safeguard (PPE) instructional safeguard.....: 10.4.1.c) Equipment visible, IR, UV does not exceed RS1..: N/A 10.4.1.d) Normal, abnormal, single-fault conditions: N/A 10.4.1.e) Enclosure material employed as safeguard is N/A opaque....: 10.4.1.f) N/A UV attenuation....: Materials resistant to degradation UV.....: N/A 10.4.1.g) 10.4.1.h) Enclosure containment of optical radiation.....: N/A N/A 10.4.1.i) Exempt Group under normal operating conditions 10.4.2 N/A Instructional safeguard....: 10.5 N/A Protection against x-radiation N/A 10.5.1 X- radiation energy source that exists equipment N/A Normal, abnormal, single fault conditions Equipment safeguards.....: N/A Instructional safeguard for skilled person.....: N/A 10.5.3 Most unfavourable supply voltage to give maximum radiation....: Abnormal and single-fault condition.....: N/A N/A Maximum radiation (pA/kg).....: 10.6 Protection against acoustic energy sources N/A 10.6.1 General N/A 10.6.2 Classification N/A Acoustic output, dB(A)..... N/A Output voltage, unweighted r.m.s....: N/A 10.6.4 Protection of persons N/A Instructional safeguards.....: N/A Equipment safeguard prevent ordinary person to RS2....: Means to actively inform user of increase sound pressure....: Equipment safeguard prevent ordinary person to 10.6.5 Requirements for listening devices (headphones, N/A earphones, etc.) 10.6.5.1 Corded passive listening devices with analog N/A

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output		_
10.6.5.2	Corded listening devices with digital input		N/A
	Maximum dB(A):		_
10.6.5.3	Cordless listening device		N/A
	Maximum dB(A):		_
В	NORMAL OPERATING CONDITION TESTS, ABN CONDITION TESTS AND SINGLE FAULT CONDI		Р
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:	(See Annex E)	N/A
B.2.3	Supply voltage and tolerances	5Vd.c±10%	Р
B.2.5	Input test:	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions		Р
B.3.1	General requirements:	(See appended table B.3)	Р
B.3.2	Covering of ventilation openings	No openings within the EUT	N/A
B.3.3	D.C. mains polarity test	5Vd.c supplied apparatus via USB port	N/A
B.3.4	Setting of voltage selector:	No such selector	N/A
B.3.5	Maximum load at output terminals	No such terminals used	N/A
B.3.6	Reverse battery polarity	No battery	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.		Р
B.3.8	Safeguards functional during and after abnormal operating conditions		Р
B.4	Simulated single fault conditions		Р
B.4.2	Temperature controlling device open or short-circuited	No such controlling device	N/A
B.4.3	Motor tests	No motor used	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature		N/A
B.4.4	Short circuit of functional insulation	5Vd.c supplied apparatus, only ES1 existed	N/A
B.4.4.1	Short circuit of clearances for functional insulation		N/A
B.4.4.2	Short circuit of creepage distances for functional insulation		N/A

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
B.4.4.3	Short circuit of functional insulation on coated printed boards		N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors		N/A
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 battery	N/A
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV radiation	General indoor used equipment only	N/A
C.1.2	Requirements		N/A
C.1.3	Test method		N/A
C.2	UV light conditioning test		N/A
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		N/A
D.1	Impulse test generators	Not such apparatus	N/A
D.2	Antenna interface test generator		N/A
D.3	Electronic pulse generator		N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	ING AUDIO AMPLIFIERS	N/A
E.1	Audio amplifier normal operating conditions		N/A
	Audio signal voltage (V):		
	Rated load impedance (Ω):		
E.2	Audio amplifier abnormal operating conditions		N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	Р
F.1	General requirements		Р
	Instructions – Language	English	_
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	On the rear enclosure	Р

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
F.3.2	Equipment identification markings		Р
F.3.2.1	Manufacturer identification:	See page 3 for details	_
F.3.2.2	Model identification	See page 3 for details	_
F.3.3	Equipment rating markings	See page 3 for details	Р
F.3.3.1	Equipment with direct connection to mains		N/A
F.3.3.2	Equipment without direct connection to mains		Р
F.3.3.3	Nature of supply voltage	See page 3 for details	_
F.3.3.4	Rated voltage:	See page 3 for details	_
F.3.3.4	Rated frequency:	5Vd.c supplied apparatus	_
F.3.3.6	Rated current or rated power	See page 3 for details	_
F.3.3.7	Equipment with multiple supply connections	No multiple supply connection	N/A
F.3.4	Voltage setting device	No such device	N/A
F.3.5	Terminals and operating devices		N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings		N/A
F.3.5.2	Switch position identification marking:		N/A
F.3.5.3	Replacement fuse identification and rating markings:		N/A
F.3.5.4	Replacement battery identification marking:		N/A
F.3.5.5	Terminal marking location		N/A
F.3.6	Equipment markings related to equipment classification	Class III apparatus	N/A
F.3.6.1	Class I Equipment	Class III apparatus	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	Protective bonding conductor terminals		N/A
F.3.6.2	Class II equipment (IEC60417-5172)	Class III apparatus	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 equipment	_
F.3.8	External power supply output marking	No such power supplied provided	N/A
F.3.9	Durability, legibility and permanence of marking		Р

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
F.3.10	.3.10 Test for permanence of markings After test there was no damage on the label. The marking on the label did not fade. There was no curling and lifting of the label edge.		P
F.4	Instructions		N/A
	a) Equipment for use in locations where children not likely to be present - marking		N/A
	b) Instructions given for installation or initial use		N/A
	c) Equipment intended to be fastened in place		N/A
	d) Equipment intended for use only 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		N/A
	f) Protective earthing employed as safeguard		N/A
	g) Protective earthing conductor current exceeding ES 2 limits		N/A
	h) Symbols used on equipment		N/A
	i) Permanently connected equipment not provided with all-pole mains switch		N/A
j)	j) Replaceable components or modules providing safeguard function		N/A
F.5	Instructional safeguards		N/A
	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction		N/A
G	COMPONENTS		N/A
G.1	Switches		N/A
G.1.1	General requirements	No such device used	N/A
G.1.2	Ratings, endurance, spacing, maximum load		N/A
G.2	Relays		N/A
G.2.1	General requirements	No such device used	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 such device used	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)		N/A

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Requirement + Test	Result - Remark	Verdict	
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			
Thermal links		N/A	
Thermal links separately tested with IEC 60691	No such device used	N/A	
Thermal links tested as part of the equipment		N/A	
Aging hours (H):		_	
Single Fault Condition:		_	
Test Voltage (V) and Insulation Resistance (Ω):			
PTC Thermistors	No such device used	N/A	
Overcurrent protection devices		N/A	
Safeguards components not mentioned in G.3.1 to	G.3.5	N/A	
Non-resettable devices suitably rated and marking provided		N/A	
Single faults conditions:	(See appended Table B.4)	N/A	
Connectors		N/A	
Spacings	No such device used	N/A	
Mains connector configuration		N/A	
Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely		N/A	
Wound Components		N/A	
Wire insulation in wound components	No such device used	N/A	
Two wires in contact inside wound component, angle between 45° and 90°		N/A	
Construction subject to routine testing		N/A	
Endurance test on wound components		N/A	
General test requirements		N/A	
Heat run test		N/A	
Time (s):			
Temperature (°C):		_	
Wound Components supplied by mains		N/A	
Transformers	I	N/A	
Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1):	No such device used	N/A	
Position:		_	
Method of protection:		_	
Insulation		N/A	
	Requirement + Test Thermal cut-outs tested as part of the equipment as indicated in c) Thermal cut-off connections maintained and secure Thermal links Thermal links separately tested with IEC 60691 Thermal links tested as part of the equipment Aging hours (H)	Requirement + Test Result - Remark Thermal cut-outs tested as part of the equipment as indicated in c) Thermal cut-off connections maintained and secure Thermal links Thermal links separately tested with IEC 60691 No such device used Thermal links tested as part of the equipment Aging hours (H)	

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	Protection from displacement of windings:		_
G.5.3.3	Overload test:		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	I	N/A
G.5.4.1	General requirements	No such device used	N/A
	Position:		_
G.5.4.2	Test conditions		N/A
G.5.4.3	Running overload test		N/A
G.5.4.4	Locked-rotor overload test		N/A
	Test duration (days):		_
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):		_
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h):		N/A
	Electric strength test (V):		_
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits		N/A
G.5.4.6.2	Tested in the unit		N/A
	Maximum Temperature		N/A
	Electric strength test (V):		N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h):		N/A
	Electric strength test (V):		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
	Operating voltage:		_
G.6	Wire Insulation		N/A
G.6.1	General	No peak working voltage exceeded ES1	N/A
G.6.2	Solvent-based enamel wiring insulation		N/A
G.7	Mains supply cords		N/A
G.7.1	General requirements	No mains supply cords used	N/A
	Туре:		_

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause Rated current (A)..... Cross-sectional area (mm²), (AWG).....: G.7.2 Compliance and test method N/A G.7.3 Cord anchorages and strain relief for non-N/A detachable power supply cords G.7.3.2 Cord strain relief N/A G.7.3.2.1 N/A Requirements Strain relief test force (N)..... G.7.3.2.2 Strain relief mechanism failure N/A G.7.3.2.3 Cord sheath or jacket position, distance (mm).....: G.7.3.2.4 Strain relief comprised of polymeric material N/A G.7.4 N/A Cord Entry....: G.7.5 Non-detachable cord bend protection N/A G.7.5.1 Requirements N/A G.7.5.2 Mass (g): Diameter (m)..... Temperature (°C).....: G.7.6 N/A Supply wiring space 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 such components used N/A G.8.2 N/A Safeguard against shock G.8.3 N/A Safeguard against fire G.8.3.2 N/A Varistor overload test.....: G.8.3.3 Temporary overvoltage..... N/A **G.9** Integrated Circuit (IC) Current Limiters N/A G.9.1 a) No such components used N/A Manufacturer defines limit at max. 5A. G.9.1 b) Limiters do not have manual operator or reset N/A G.9.1 c) Supply source does not exceed 250 VA G.9.1 d) IC limiter output current (max. 5A)..... Manufacturers' defined drift: G.9.1 e) G.9.2 N/A Test Program 1 G.9.3 Test Program 2 N/A G.9.4 N/A Test Program 3 G.10 N/A Resistors

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Clause	Requirement + Test	Result - Remark	Verdict
G.10.1	General requirements	No such components used	N/A
G.10.1	Resistor test	140 Such components used	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable		N/A
G.10.3.1	General requirements		N/A
G.10.3.2	Voltage surge test		N/A
G.10.3.3	Impulse test		N/A
G.11	Capacitor and RC units	1	N/A
G.11.1	General requirements	No such components used	N/A
G.11.2	Conditioning of capacitors and RC units		N/A
G.11.3	Rules for selecting capacitors		N/A
G.12	Optocouplers		N/A
	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results):	No such components used	N/A
	Type test voltage Vini:		_
	Routine test voltage, Vini,b:		_
G.13	Printed boards		N/A
G.13.1	General requirements	No such components used	N/A
G.13.2	Uncoated printed boards		N/A
G.13.3	Coated printed boards		N/A
G.13.4	Insulation between conductors on the same inner surface		N/A
	Compliance with cemented joint requirements (Specify construction)		_
G.13.5	Insulation between conductors on different surfaces		N/A
	Distance through insulation:		N/A
	Number of insulation layers (pcs):		
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		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		N/A
G.15	Liquid filled components		N/A

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause G.15.1 General requirements No such components used N/A G.15.2 Requirements N/A N/A G.15.3 Compliance and test methods G.15.3.1 Hydrostatic pressure test N/A G.15.3.2 N/A Creep resistance test G.15.3.3 Tubing and fittings compatibility test N/A G.15.3.4 Vibration test N/A G.15.3.5 N/A Thermal cycling test G.15.3.6 Force test N/A G.15.4 N/A Compliance G.16 IC including capacitor discharge function (ICX) N/A a) Humidity treatment in accordance with sc5.4.8 -No such components used N/A 120 hours b) Impulse test using circuit 2 with Uc = to transient N/A voltage: C1) Application of ac voltage at 110% of rated voltage N/A for 2.5 minutes C2) Test voltage: D1) 10,000 cycles on and off using capacitor with smallest capacitance resistor with largest N/A resistance specified by manufacturer D2) Capacitance: D3) Resistance: н **CRITERIA FOR TELEPHONE RINGING SIGNALS** N/A H.1 General Not such apparatus N/A H.2 Method A N/A H.3 Method B N/A H.3.1 N/A Ringing signal H.3.1.1 Frequency (Hz): H.3.1.2 Voltage (V): H.3.1.3 Cadence; time (s) and voltage (V) H.3.1.4 Single fault current (mA):..... H.3.2 Tripping device and monitoring voltage.....: N/A H.3.2.1 Conditions for use of a tripping device or a N/A monitoring voltage complied with H.3.2.2 N/A Tripping device Monitoring voltage (V)..... H.3.2.3

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IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		
	General requirements	No such winding wire used	N/A
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	No safety interlocks in the EUT	N/A
K.2	Components of safety interlock safeguard mechanism		N/A
K.3	Inadvertent change of operating mode		N/A
K.4	Interlock safeguard override		N/A
K.5	Fail-safe		N/A
	Compliance ::		N/A
K.6	Mechanically operated safety interlocks		N/A
K.6.1	Endurance requirement		N/A
K.6.2	Compliance and Test method:		N/A
K.7	Interlock circuit isolation		N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):		N/A
K.7.2	Overload test, Current (A)		N/A
K.7.3	Endurance test		N/A
K.7.4	Electric strength test:		N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	Not directly 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	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):		N/A
M.3	Protection circuits		N/A
M.3.1	Requirements		N/A

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	IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict	
M.3.2	Tests		N/A	
	- Overcharging of a rechargeable battery		N/A	
	- Unintentional charging of a non-rechargeable battery	No such battery used	N/A	
	- Reverse charging of a rechargeable battery	Battery connector can prevent the battery from being reverse charged	N/A	
	- Excessive discharging rate for any battery	(See append table Annex M)	N/A	
M.3.3	Compliance		N/A	
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	Charging operating limits		N/A	
M.4.2.2a)	Charging voltage, current and temperature:)	_	
M.4.2.2 b)	Single faults in charging circuitry:		_	
M.4.3	Fire Enclosure	V-0 enclosure & PCB used	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	
M.6.1.2	Test method to simulate an internal fault		N/A	
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method):		N/A	
M.6.2	Leakage current (mA):		N/A	

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
M.7	Risk of explosion from lead acid and NiCd batteries No such battery used		N/A
M.7.1	Ventilation preventing explosive gas concentration		N/A
M.7.2	Compliance and test method		N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	No such battery used	N/A
M.8.1	General requirements		N/A
M.8.2	Test method		N/A
M.8.2.1	General requirements		N/A
M.8.2.2	Estimation of hypothetical volume Vz (m³/s):		_
M.8.2.3	Correction factors:		
M.8.2.4	Calculation of distance d (mm):		
M.9	Preventing electrolyte spillage	No such battery used	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)		N/A
N	ELECTROCHEMICAL POTENTIALS		
	Metal(s) used:	Pollution degree considered	_
0	MEASUREMENT OF CREEPAGE DISTANCES A	ND CLEARANCES	N/A
	Figures O.1 to O.20 of this Annex applied:		_
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN OF INTERNAL LIQUIDS	DBJECTS AND SPILLAGE	N/A
P.1	General requirements		N/A
P.2.2	Safeguards against entry of foreign object		N/A
	Location and Dimensions (mm):		_
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
	Transportable equipment with metalized plastic parts:		N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard):		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

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause P.3.3 Spillage safeguards N/A P.3.4 Safeguards effectiveness N/A P.4 Metallized coatings and adhesive securing parts N/A P.4.2 a) Conditioning testing N/A Tc (°C).....: Tr (°C)..... Ta (°C).....: P.4.2 b) Abrasion testing: N/A P.4.2 c) N/A Mechanical strength testing....: Q CIRCUITS INTENDED FOR INTERCONNECTION WITH BUILDING WIRING N/A Q.1 N/A Limited power sources Q.1.1 a) Inherently limited output N/A Q.1.1 b) Impedance limited output N/A - Regulating network limited output under normal N/A operating and simulated single fault condition N/A Q.1.1 c) Overcurrent protective device limited output Q.1.1d)IC current limiter complying with G.9 N/A Q.1.2 N/A Compliance and test method Q.2 Test for external circuits – paired conductor cable N/A Maximum output current (A): Current limiting method..... LIMITED SHORT CIRCUIT TEST R N/A R.1 N/A General requirements N/A R.2 Determination of the overcurrent protective device and circuit **R.3** Test method Supply voltage (V) and short-circuit N/A current (A)....: TESTS FOR RESISTANCE TO HEAT AND FIRE S N/A S.1 Flammability test for fire enclosures and fire N/A barrier materials of equipment where the steady state power does not exceed 4 000 W Samples, material..... Wall thickness (mm)....: Conditioning (°C)..... Test flame according to IEC 60695-11-5 with N/A conditions as set out - Material not consumed completely N/A N/A - Material extinguishes within 30s

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IEC 62368-1 Requirement + Test Result - Remark Verdict Clause - No burning of layer or wrapping tissue N/A S.2 Flammability test for fire enclosure and fire barrier N/A integrity Samples, material....: Wall thickness (mm)....: Conditioning (°C)....: Test flame according to IEC 60695-11-5 with N/A conditions as set out 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....: Wall thickness (mm)....: Cheesecloth did not ignite N/A S.4 Flammability classification of materials N/A S.5 Flammability test for fire enclosures and fire N/A barrier materials of equipment where the steady state power does not exceed 4 000 W Samples, material....: Wall thickness (mm).... Conditioning (test condition), (°C)..... Test flame according to IEC 60695-11-20 with N/A conditions as set out After every test specimen was not consumed N/A completely After fifth flame application, flame extinguished N/A within 1 min Т **MECHANICAL STRENGTH TESTS** Р Р T.1 General requirements T.2 N/A Steady force test, 10 N T.3 Steady force test, 30 N N/A Р T.4 Steady force test, 100 N: N/A T.5 Steady force test, 250 N: T.6 N/A Enclosure impact test N/A Fall test N/A Swing test Р T.7 (See appended table T7) Drop test: T.8 Stress relief test....: (See appended table T8) Ρ T.9 N/A Impact Test (glass)

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Clause	Requirement + Test Result - Remark	Verdict
T.9.1	General requirements	N/A
T.9.2	Impact test and compliance	N/A
	Impact energy (J)	_
	Height (m)	_
T.10	Glass fragmentation test	N/A
T.11	Test for telescoping or rod antennas	N/A
	Torque value (Nm)	
U	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFECTS OF IMPLOSION	N/A
U.1	General requirements	N/A
U.2	Compliance and test method for non-intrinsically protected CRTs	N/A
U.3	Protective Screen	N/A
V	DETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)	N/A
V.1	Accessible parts of equipment	N/A
V.2	Accessible part criterion	N/A

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4.1. 2	TABLE:	ABLE: List of critical components					
Object No.	ct / part	Manufacturer/ trademark	Type / model	Technical data		Mark(s) of conformity ¹	
Enclo	sure	Chi mei	PA-765A+	V-0, 80°C,	UL 94	UL	
Intern	nal wire	Interchangeable	Interchangeable	22AWG, 80℃, 300V	UL 758	UL	
РСВ		Interchangeable	Interchangeable	94V-0, 130℃	UL94	UL	
Supp	lementar	y information:					

4.8.4, 4.8.5	TABLE: Li	N/A			
(The fol	lowing mecha	anical tests are conducted in the s	equence noted.)		
4.8.4. 2					
	Part	Material	Oven Temperature (°C)	Comments	
4.8.4. 3	TABLE: Ba	attery replacement test		_	
Battery	part no			_	
Battery	Installation/v	withdrawal	Battery Installation/Removal Cycle	Comments	
			1		
			2		
			3		
			4		
			5		
			6		
			8		
			9		
			10		
4.8.4.4	TABLE: Dro	op test		_	
Impact A	Area	Drop Distance	Drop No.	Observations	
			1		
			2		
			3		
4.8.4.5	TABLE: Im	pact	1	_	
Imp	acts per urface	Surface tested	Impact energy (Nm)	Comments	

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4.8.4, 4.8.5	TABLE: Li	N/A		
(The fol	lowing mecha	nnical tests are conducted in the se	equence noted.)	
4.8.4.6	TABLE: Cru	ush test		_
Test	position	Surface tested	Crushing Force (N)	Duration force applied (s)
Supplen	nentary inforr	mation:		

4.8.5	TABLE: Lit	hium coin/button cell batterie	um coin/button cell batteries mechanical test result				
Test position Surface tested		Surface tested	Force (N)	Duration force applied (s)			
Supplemen	Supplementary information:						

5.2	Table: C	Table: Classification of electrical energy sources					
5.2.2.2 – Steady State Voltage and Current conditions							
No.	Supply Voltage	Location (e.g. circuit designation)	Test conditions	Parameters			F0
				U	I	Hz	ES Class
				(Vrms or Vpk)	(Apk or Arms)		

Note: All condition are considered, the maximum values are shown in the above table.

Steady state is considered established when the voltage or current values persist for 2 s or longer.

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5.2.2.3 - Capacitance Limits								
	Supply	Location (e.g.	T ()'''	Param	neters	ES		
No.	Voltage	circuit designation)	Test conditions	Capacitance, nF	Upk (V)	Class		
			Normal					
			Abnormal					
			Single fault – SC/OC					

Note: All modes are considered, the maximum values are shown in the above table.

5.2.2.4 - Single Pulses

	Supply Voltage Location (e.g. circuit designation)				Parameters		ES
No.			Test conditions	Duration (ms)	Upk (V)	lpk (mA)	Class
			Normal				
			Abnormal				
			Single fault – SC/OC				

5.2.2.5 - Repetitive Pulses

	Supply	Location (e.g.	T ()'''	Parameters			E0.01
No.	Voltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class
			Normal				
			Abnormal				
			Single fault – SC/OC				

Test Conditions:

Normal -

Abnormal -

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

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature me	ABLE: Temperature measurements						
	Supply voltage (V)	5V						
	Test condition	Normal operation						
Ambient T(°C)		24.8						
Maximum r part/at:	measured temperature T of	dT (K)					Max. dT (K)	
Plastic enclosure inside		12.2					70	
Plastic enclosure outside		9.8					70	
PCB near l	PCB near U5						105	

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Supplementary information:							
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulatio n class
Supplementary information:	Supplementary information:						

5.4.1.10.2 TABLE: Vicat softening temperature		N/A				
Penetration (mm)						
Object/ Part No./Material	Manufacturer /trademark	T softening (°C)			
supplementary information:						

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

5.4.2.2, 5.4.2.4 and 5.4.3	5.4.2.4							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)
Functional insulation								
Reinforced insulation								

Supplementary information:

Note 1: See table 5.4.2.4 if this is based on electric strength test

Note 2: The all models were checked only the maximum voltage and minimum clearance & creepage distance were shown on the above table.

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vervoltage Categor ollution Degree: anced between:	Required withstand voltage	Required cl (mm)	Measu	II IIIb red cl (mm)	
			Measu		
anced between:			Measu	red cl (mm)	
_					

Supplementary information:

Note 4: The all models were checked only the maximum voltage and minimum clearance & creepage distance were shown on the above table.

5.4.2.4	TABLE: Clearances ba	sed on electric stre	ngth test		N/A
Test voltag	ge applied between:	Required cl (mm)	Test voltage (kV) peak/ r.m.s. / d.c.	Breakdown Yes / No	
Supplemer	ntary information:				

5.4.4.2,	TABLE: Di	ABLE: Distance through insulation measurements							
5.4.4.5 c) 5.4.4.9									
Distance through insulation di at/of: Peak voltage Frequenc Material Required DTI (mm)						DTI (mm)			

Supplementary information: The all models are considered, only the maximum test voltage and minimum distance through insulation were shown on the table.

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5.4.9	TABLE: Electric strength tests	TABLE: Electric strength tests						
Test voltag	e applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No				
Functional:								
Input -Plastic shell								
Basic/supplementary:								
Supplemer	Supplementary information:							

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5.5.2.2	TABLE: S	tored discha	rge on capac	itors			N/A	
Supply Voltage (V), Hz		Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Clas	ssification	
-								
Suppleme	ntary inform	ation:						
X-capacito	rs installed	for testing are	:					
□ bleeding resistor rating:								
□ ICX:	□ ICX:							

A. Test Location:

Notes:

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

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5.6.6.2	TABLE: Resistance of	esistance of protective conductors and terminations N/A								
A	ccessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)					
Supplemer	ntary information:									

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive	part		N/A
Supply vo	Itage			_
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	Tou	ich current (mA)
		1		
		2*		
		3		
		4		
		5		
		6		
		8		

Supplementary Information:

Notes:

- [1] Supply voltage is the anticipated maximum Touch Voltage
- [2] Earthed neutral conductor [Voltage differences less than 1% or more]
- [3] Specify method used for measurement as described in IEC 60990 sub-clause 4.3
- [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	Ta	able: Electric	al power source	es (PS) measuremen	nts for classification	N/A	
Source Descri		Description	Measurement	Max Power after 3 s	Max Power after 5 s*)	PS Classification	
			Power (W) :				
			V _A (V) :			PS1	
			I _A (A) :				

Supplementary Information:

(*) Measurement taken only when limits at 3 seconds exceed PS1 limits. Measurement taken only when limits at 5 seconds exceed PS2 limits

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6.2.3.1	Table: Determinat	tion of Potential I	gnition Sources	(Arcing PIS)		N/A
		Open circuit voltage				
		After 3 s	r.m.s current	Calculated value	Arc	ing PIS?
	Location	(Vp)	(Irms)	(V _p x I _{rms})	Ye	es / No

Supplementary information:

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

The output circuit is not arcing PIS as the open voltage of which is less than 50Vpeak.

6.2.3.2	Table: Det	ermination of Poter	ntial Ignition S	ources (Resist	tive PIS)	N/A
Circuit Loc	cation (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No
_	-					

Supplementary Information:

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

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

A Resistive PIS: (a) dissipates more than 15 W, measured after 30 s of normal operation, <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.

8.5.5	TABLE: High Pressure Lamp						
Description		Values	Energy Source Classification				
Lamp type.	:						
Manufactur	er:	-					
Cat no	·····:		_				
Pressure (c	cold) (MPa):	-	MS_				
Pressure (c	pperating) (MPa):	-	MS_				
Operating t	ime (minutes):	-					
Explosion n	method:		_				
Max particle	e length escaping enclosure (mm). :		MS_	·			

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Max particle length beyond 1 m (mm)	: MS_			
Overall result:	-	.		
Supplementary information:				

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B.2.5	TABLE: Inp	out test						Р	
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition	/status	
5	0.512	1	2.56	5			Normal opera	tion	
Supplemen	Supplementary information:								

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

B.3	TAE	BLE: Abnor	mal opera	ating cor	ndition	tests				N/A
Ambient te	mper	ature (°C)					. 25			_
Power sou	or EUT: Man	. Refer to below			_					
Compone No.			Obs	ervation						
		-	1							

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.

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B.4 TABLE: Fault condition tests Ρ Ambient temperature (°C) 25 Power source for EUT: Manufacturer, model/type, output rating ... See below T-Component Fault Supply Test Fuse Fuse Те Observation voltage, time current No. no. couple mp. Condition (V) (ms) , (A) (°C) Unit shutdown and recoverable when Short fault removed, no C1 DC 5V 15mins damage, no circuit hazard. Unit shutdown and recoverable when Short fault removed, no U4 pin1-5 DC 5V 15mins damage, no circuit hazard. Unit shutdown and recoverable when Short fault removed, no R18 DC 5V 15mins damage, no circuit hazard.

Supplementary information:

For fault condition with current fuse opened, all sources listed in table 4.1.2 are evaluated and the same results were got.

Annex M	TABLE: Ba	tteries							N/A
The tests of	f Annex M a	re applicab	le only when	appropria	te battery	data is no	ot availab	le	N/A
Is it possible	e to install th	e battery ir	n a reverse po	olarity pos	ition?				N/A
	Non-re	echargeabl	e batteries		R	echargeal	ole batteri	es	
	Disch	narging	Un- intentional	Chargi	ng(mA)	Discharg	ging(mA)	Reversed charging	
	Meas. current	Manuf. Specs.	charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. currenduring normal condition	nt						-		
Max. curren during fault condition									
Test results	:								Verdict
- Chemical	- Chemical leaks							N/A	
- Explosion	of the batter	ту							N/A
- Emission	of flame or e	expulsion of	molten meta	ıl					N/A

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Annex M	TABLE: Ba	tteries							N/A
The tests of	of Annex M ar	e applicab	le only when	appropria	te battery	data is n	ot availab	le	N/A
Is it possib	le to install th	e battery ir	a reverse p	olarity pos	ition?				N/A
Non-rechargeable batteries					Rechargeable batteries				
	Disch	Discharging		intentional			ging(mA)		ersed rging
	Meas. current	Manuf. Specs.	charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
- Electric s	- Electric strength tests of equipment after completion of tests								N/A
Supplemer	Supplementary information:								

Annex M.4	Table: Additional safeguards for equipment containing secondary lithium batteries						N/A	
Battery/Cell		Test conditions			Measurements		Observation	
N	0.		U	I (A)	Temp (C)			
	1	Normal			-			
2	2							
_	-	Normal					N/A	
		Single fault – SC/OC					N/A	

Supplementary Information:

Battery	Charging at T _{lowest}	Observation	Charging at Thighest	Observation		
identification	(°C)		(°C)			
				N/A		
Supplementary Information:						

Annex Q.1	TABLE: Circuits intended for interconnection with building wiring (LPS)				N/A		
Note: Mea	Note: Measured UOC (V) with all load circuits disconnected:						
Output	Components	U _{oc} (V)	I _{sc} (A)		S (VA)		
Circuit			Meas.	Limit	Meas.	Limit	
Supplementary Information:							
S-C=Short circuit, O-C=Open circuit							

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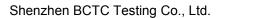


T.2, T.3, T.4, T.5	TAB	TABLE: Steady force test					Р
Part/Loca	tion	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Obser	vation
Complete EUT enclosure	·	Plastic material	Min. 2.0	100	5S	No energy exceed cla be access	ss 1 can
Supplemen	Supplementary information:						

T.7	TAB	SLE: Drop tests				Р
Part/Locati	ion	Material	Thickness (mm)	Drop Height (mm)	Observation	
Complete EUT		Plastic material	Min. 2.0	1 000 mm	No energy source exceed cla	ass 1
Supplementary information:						

T.8	TAB	BLE: Stress relief	test				Р
Part/Locati	ion	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observ	ation
Complete sample		Plastic enclosure (for all sources)	Min.2.0	70	7	No dama hazardous cannot be	live parts
Supplement	Supplementary information:						

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ATTACHMENT TO TEST REPORT IEC 62368-1
EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Report No.: BCTC-FY180100373S

(Audio/video, information and communication technology equipment Part 1: Safety requirements)

Differences according to EN 62368-1:2014

Master Attachment Date (2015-08)

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	CENELEC COMMON MODIFICATIONS (EN)		
1	NOTE Z1	1	V/A
4.Z1	Protective devices included as integral parts of the equipment or as parts of the building installation:	1	N/A
	a) Included as parts of the equipment	L	N/A
	b) For components in series with the mains; by devices in the building installation	ı	N/A
	c) For pluggable type B or permanently connected; by devices in the building installation	ı	N/A
5.4.2.3.2.4	Interconnection with external circuit	L	N/A
10.2.1	Additional requirements in 10.5.1	1	V/A
10.5.1	RS1 compliance measurement conditions	1	N/A
10.6.2.1	EN 71-1:2011, 4.20 and methods and distances	ı	N/A
10.Z1	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	1	N/A
G.7.1	NOTE Z1	1	V/A

ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	
4.1.15	Denmark, Finland, Norway and Sweden: Class I pluggable equipment type A marking	N/A
4.7.3	United Kingdom: Torque test socket-outlet BS 1363, and the plug part BS 1363.	N/A
5.2.2.2	Denmark: Warning for high touchcurrent	N/A

5.4.11.1 and Annex G	Finland and Sweden: Separation of the telecommunication network from earth	N/A
5.5.2.1	Norway: Capacitors rated for the applicable line-to-line voltage (230 V).	N/A
5.5.6	Finland, Norway and Sweden: Resistors used as basic safeguard or bridging	N/A

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	basic insulation comply with G.10.1 and G.10.2.	
5.6.1	Denmark: Protection for pluggable equipment type A; integral part of the equipment	N/A
5.6.4.2.1	Ireland and United Kingdom: The protective current rating is taken to be 13 A	N/A
5.6.5.1	Ireland and United Kingdom: Conductor sizes of flexible cords to be accepted by terminals for equipment rated 10 A to 13 A	N/A
5.7.5	Denmark: The installation instruction affixed to the equipment if high protective conductor current	N/A
5.7.6.1	Norway and Sweden: Television distribution system isolation text in user manual	N/A
5.7.6.2	Denmark: Warning for high touch current	N/A
B.3.1 and B.4	Ireland and United Kingdom: Tests conducted using an external miniature circuit breaker or protective devices included as an integral part of the direct plug-in equipment	N/A

G.4.2	Denmark: Appliances rated ≤13 A provided with a plug according to DS 60884-2-D1:2011.	N/A	4
	Class I equipment provided with socket-outlets provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	N/A	4
	If a single-phase equipment having rated >13 A or poly-phase equipment provided with a supply cord with a plug, plug in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.	N/A	Δ.
	Mains socket outlets intended for providing power to Class II apparatus rated 2,5 A in accordance with DS 60884-2-D1:2011 standard sheet DKA 1-4a.	N/A	4
	Other current rating socket outlets in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	N/A	4
	Mains socket-outlets with earth 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	N/A	4
G.4.2	United Kingdom: The plug part of direct plug-in equipment assessed to BS 1363	N/A	4
G.7.1	United Kingdom: Equipment fitted with a 'standard plug' in accordance with the Plugs and Sockets etc (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768	N/A	Α

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G.7.1	Ireland: Apparatus provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use	N/A
G.7.2	Ireland and United Kingdom: A power supply cord for equipment which is rated over 10 A and up to and including 13 A.	N/A

ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	
10.5.2	Germany: Cathode ray tube intended for the display of visual images, authorization or application of type approval and marking.	N/A
F.1	Italy: The power consumption in Watts (W) indicated on TV receiver and in instruction for use	N/A
	TV receivers provided with an instruction for use, schematic diagrams and adjustments procedure in Italian language.	N/A
	Marking for controls and terminals in Italian language.	N/A
	Conformity declaration according to the above requirements in the instruction manual	N/A
	First importers of TV receivers manufactured outside EEC previous conformity certification to the Italian Post Ministry and Certification number on the backcover.	N/A

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Attachment II: Photo documentation



Fig. 1



Fig. 2



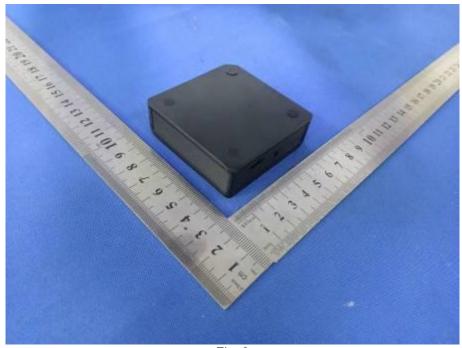


Fig. 3

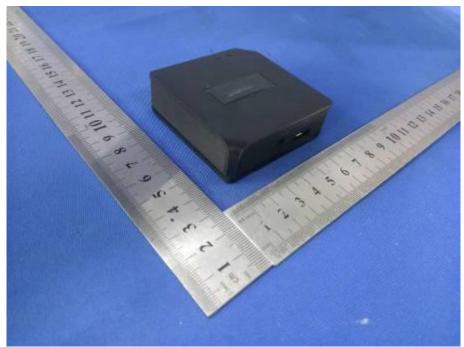


Fig. 4





Fig. 5(USB input port)

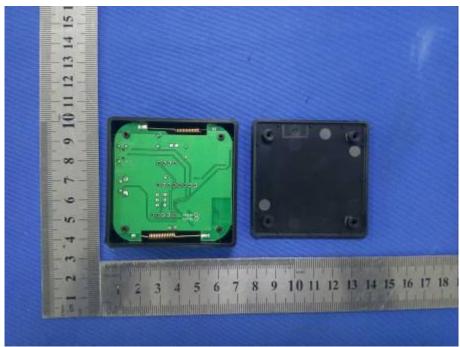


Fig. 6



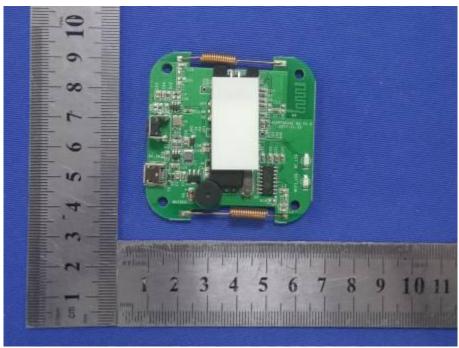


Fig.7

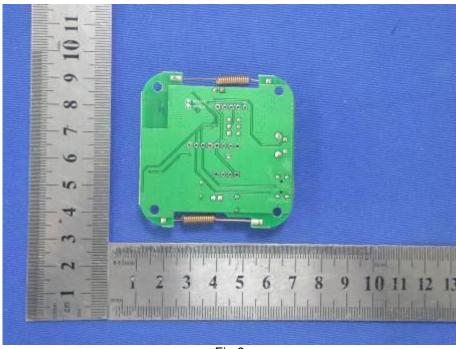


Fig.8

**** END OF REPORT ****