Test Report issued under the responsibility of:



# TEST REPORT IEC 62368-1

# Audio/video, information and communication technology equipment

Part 1: Safety requirements

Report Number ...... GTS201912000029S01

Date of issue...... 2019-12-09

Total number of pages ...... 53pages

Applicant's name.....

Address ....:

Test specification:

Standard .....: IEC 62368-1:2014

EN 62368-1:2014/A11:2017

Test procedure .....: LVD

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

Test Report Form No.....: IEC62368\_1B

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

Master TRF.....: 2014-03

Test Item description	Air 5W wireless charging portfolio A4 with powerbank Air 5W wireless charging notebook cover A5
Trade Mark	
Manufacturer	Same as applicant
Model/Type reference	P774.05. P774.04

Rating ...... Input: 5V === 2A

Eleven Yang Project Engineer

Eleven Young

Robinson Luo Technical Director Safety Laboratory



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

- European group differences and national differences of EN 62368-1: 2014/A1:2017
- Photos of the product

# **Summary of testing:**

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# Tests performed (name of test and test clause):

EN 62368-1:2014/A11:2017

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

# **Testing location:**

Global United Technology Services Co., Ltd.

No.123-128, Tower A, Jinyuan Business Building, No. 2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China

# 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

Air 5W wireless charging portfolio A4 with powerbank & Air 5W wireless charging notebook cover A5

Model No: P774.05 Input: 5V === 2A ( (



S/N: XXXXXX

Importer: XXXXXXX Address: XXXXXXX



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TEST ITEM PARTICULARS:	
Classification of use by:	<ul><li>☑ Ordinary person</li><li>☐ Instructed person</li><li>☐ Skilled person</li><li>☐ Children likely to be present</li></ul>
Supply Connection:	☐ AC Mains ☐ DC Mains ☐ External Circuit - not Mains connected - ☐ ES1 ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	<ul> <li>□ pluggable equipment type A -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ direct plug-in</li> <li>□ mating connector</li> <li>□ pluggable equipment type B -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ permanent connection</li> <li>□ mating connector ⋈ other:_not Mains connected</li> </ul>
Considered current rating of protective device as part of building or equipment installation	N/A; Installation location:  building;  equipment
Equipment mobility:	
Over voltage category (OVC):	□ OVC I         □ OVC II         □ OVC III           □ OVC IV         □ other:
Class of equipment:	☐ Class II ☐ Class III
Access location:	☐ restricted access location ☐ N/A
Pollution degree (PD):	☐ PD 1
IP protection class:	☑ IPX0 □ IP
Power Systems ::	☑ TN ☐ TT ☐ IT V <sub>L-L</sub>
Altitude during operation (m):	
Altitude of test laboratory (m):	
Mass of equipment (kg):	⊠222g
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)



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TESTING:	
Date of receipt of test item:	2019-12-04
Date (s) of performance of tests	2019-12-04 to 2019-12-09

#### **GENERAL REMARKS:**

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

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"(see appended table)" refers to a table appended to the report.

Throughout this report a point is used as the decimal separator.

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#### **GENERAL PRODUCT INFORMATION:**

### **Product Description -**

Air 5W wireless charging portfolio A4 with powerbank & Air 5W wireless charging notebook cover A5,is powered by the external power supply.

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



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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

Source of electrical energy	Corresponding classification (ES)
All circuits inside the equipment enclosure	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

S	source of power or PIS	Corresponding classification (PS)
Α	Il circuits inside the equipment enclosure	PS2

#### 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)	
Sharp edges and corners	MS1	
Equipment mass	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)
Accessible surfaces	TS1

# 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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ENERGY SOURCE DIAGRAM						
Indicate which energy sources are included in the energy source diagram. Insert diagram below						
⊠ ES ⊠ PS ⊠ MS ⊠ TS □ RS						

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Clause	Possible Hazard					
5.1	Electrically-caused injury					
Body Part	Energy Source	Safeguards				
(e.g. Ordinary)	(ES3: Primary Filter circuit)	Basic	Supplementary	Reinforced (Enclosure)		
Ordinary	ES1: All circuits inside the equipment enclosure	N/A	N/A	N/A		
6.1	Electrically-caused fire					
Material part	Energy Source		Safeguards			
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforced		
Combustible materials	PS2	exceeding 90% of its spontaneo us Ignition temperatur e board and battery pack unit) are complied wit V-0 material.	battery pack	N/A		
7.1	Injury caused by hazardous	Injury caused by hazardous substances				
Body Part	Energy Source	Safeguards				
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced		
N/A	N/A	N/A	N/A	N/A		
8.1	Mechanically-caused injury					
Body Part	Energy Source	Safeguards				
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)		
Ordinary	MS1: Sharp edges and corners	N/A	N/A	N/A		
Ordinary	MS1: Equipment mass	N/A	N/A	N/A		
9.1	Thermal Burn	•				
Body Part	Energy Source	Safeguards				
(e.g., Ordinary)	e.g., Ordinary) (TS2)		Supplementary	Reinforced		
Ordinary	TS1: Accessible surfaces	N/A	N/A	N/A		
10.1	Radiation	Radiation				
Body Part	Energy Source	Safeguards				
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced		
N/A	N/A	N/A	N/A	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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Clause	Requirement + Test		Result - Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies		Р
4.1.2	Use of components		Р
4.1.3	Equipment design and construction		Р
4.1.15	Markings and instructions:	(See Annex F)	Р
4.4.4	Safeguard robustness		Р
4.4.4.2	Steady force tests	(See Annex T.4)	Р
4.4.4.3	Drop tests:	(See Annex T.7)	Р
4.4.4.4	Impact tests	Transportable equipment	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	No such enclosure and barrier	N/A
4.4.4.6	Glass Impact tests	No glass used	N/A
4.4.4.74	Thermoplastic material tests:	(See Annex T.8)	Р
4.4.4.8	Air comprising a safeguard:	No such safeguard used	N/A
4.4.4.9	Accessibility and safeguard effectiveness		Р
4.5	Explosion		Р
4.6	Fixing of conductors	supplied apparatus, no safeguard can be defeated after displacement of internal wires	N/A
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 - outlets	Not such equipment	N/A
4.7.2	Mains plug part complies with the relevant standard:		N/A
4.7.3	Torque (Nm)		N/A
4.8	Products containing coin/button cell batteries		N/A
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:		N/A
4.8.5	Battery Accessibility		N/A
4.9	Likelihood of fire or shock due to entry of conductive object:		Р

5	ELECTRICALLY-CAUSED INJURY		Р
5.2.1	Electrical energy source classifications:	supplied apparatus, only ES1 existed	Р

5.4.2.3

Determining clearance using required withstand voltage .....:



	IEC 62368-1		
<u> </u>		T <sub>2</sub> <sub>2</sub> .	
Clause	Requirement + Test	Result - Remark	Verdict
5.2.2	ES1, ES2 and ES3 limits	supplied apparatus, and no boost circuit inside	Р
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:	No such parts	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		N/A
5.4.1.3	Humidity conditioning:		N/A
5.4.1.4	Maximum operating temperature for insulating materials:		N/A
5.4.1.5	Pollution degree:		_
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
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted		N/A
5.4.1.10.2	Vicat softening temperature:		N/A
5.4.1.10.3	Ball pressure:		N/A
5.4.2	Clearances		N/A
5.4.2.2	Determining clearance using peak working voltage		N/A

N/A



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Clause	Requirement + Test	Result - Remark Verdict
	a) a.c. mains transient voltage:	
	b) d.c. mains transient voltage:	_
	c) external circuit transient voltage:	_
	d) transient voltage determined by measurement	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	N/A
5.4.2.5	Multiplication factors for clearances and test voltages:	N/A
5.4.3	Creepage distances	N/A
5.4.3.1	General	N/A
5.4.3.3	Material Group:	_
5.4.4	Solid insulation	N/A
5.4.4.2	Minimum distance through insulation:	N/A
5.4.4.3	Insulation compound forming solid insulation	N/A
5.4.4.4	Solid insulation in semiconductor devices	N/A
5.4.4.5	Cemented joints	N/A
5.4.4.6	Thin sheet material	N/A
5.4.4.6.1	General requirements	N/A
5.4.4.6.2	Separable thin sheet material	N/A
	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 sheet material:	N/A
5.4.4.6.5	Mandrel test	N/A
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
5.4.5.2	Voltage surge test	N/A
	Insulation resistance (MΩ):	_
5.4.6	Insulation of internal wire as part of supplementary safeguard:	N/A
5.4.7	Tests for semiconductor components and for cemented joints	N/A
5.4.8	Humidity conditioning	N/A
	Relative humidity (%):	
	Temperature (°C):	
	Duration (h)	1



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Clause	Requirement + Test	Result - Remark	Verdict
5.4.9	Electric strength test:		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		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:		N/A
5.4.10.2.3	Steady-state test:		N/A
5.4.11	Insulation between external circuits and earthed circuitry:		N/A
5.4.11.1	Exceptions to separation between external circuits and earth		N/A
5.4.11.2	Requirements		N/A
	Rated operating voltage U <sub>op</sub> (V)		_
	Nominal voltage U <sub>peak</sub> (V):		_
	Max increase due to variation U <sub>sp</sub> :		_
	Max increase due to ageing ΔU <sub>sa</sub> :		_
	$U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa}$ ::		_
5.5	Components as safeguards		·
5.5.1	General		N/A
5.5.2	Capacitors and RC units		N/A
5.5.2.1	General requirement		N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:		N/A
5.5.3	Transformers		N/A
5.5.4	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



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	IEC 62368-1			
Clause	Requirement + Test	Result - R	Remark	Verdict
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 condu	ctor 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)			_
	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



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IEC 62368-1					
Clause	Requirement + Test	Res	ult - Remark	Verdict	
	a) Equipment with earthed external circ     Measured current (mA)			N/A	
	b) Equipment whose external circuits a referenced to earth. Measured current			N/A	

6	ELECTRICALLY- CAUSED FIRE		Р
6.2	Classification of power sources (PS) and potential ignition sources (PIS)		Р
6.2.2	Power source circuit classifications		Р
6.2.2.1	General		Р
6.2.2.2	Power measurement for worst-case load fault:	(See appended table 6.2.2)	Р
6.2.2.3	Power measurement for worst-case power source fault:	(See appended table 6.2.2)	Р
6.2.2.4	PS1:	(See appended table 6.2.2)	Р
6.2.2.5	PS2:	(See appended table 6.2.2)	N/A
6.2.2.6	PS3:		N/A
6.2.3	Classification of potential ignition sources		Р
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	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	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	Р
6.3.1 (b)	Combustible materials outside fire enclosure	V-0 enclosure and PCB used	Р
6.4	Safeguards against fire under single fault conditions		Р
6.4.1	Safeguard Method	Control of fire spread	Р
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		Р
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2)	Р



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Clause	Requirement + Test	Result - Remark	Verdict		
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	Р		
6.4.8.1	Fire enclosure and fire barrier material properties	V-0	Р		
6.4.8.2.1	Requirements for a fire barrier		N/A		
6.4.8.2.2	Requirements for a fire enclosure		Р		
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier		Р		
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)		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):	No openings	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		
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating:		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		

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:		_



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IEC 62368-1					
Clause	Requirement + Test	Result - Remark	Verdict		
7.5	Use of instructional safeguards and instructions		N/A		
	Instructional safeguard (ISO 7010)		_		
7.6	Batteries:		N/A		

7.0	Datteries		IN/A
0	MECHANICALLY-CAUSED INJURY		P
8		le i i i	
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
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		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	High Pressure Lamps		N/A
8.5.5.1	Energy Source Classification		N/A
8.5.5.2	High Pressure Lamp Explosion Test:		N/A
8.6	Stability	No stability requirements for MS1	N/A
8.6.1	Product classification		N/A
	Instructional Safeguard:		_
8.6.2	Static stability		N/A
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



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Clause	Requirement + Test	Res	ult - Remark	Verdict
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			L
	Unit configuration during 10° tilt:		_
8.6.4	Glass slide test		N/A
8.6.5	Horizontal force test (Applied Force)		N/A
	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 mounting surface):		N/A
8.7.2	Direction and applied force:		N/A
8.8	Handles strength	No handle	N/A
8.8.1	Classification		N/A
8.8.2	Applied Force		N/A
8.9	Wheels or casters attachment requirements	No wheels within EUT	N/A
8.9.1	Classification		N/A
8.9.2	Applied force		_
8.10	Carts, stands and similar carriers	Not such devices	N/A
8.10.1	General		N/A
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	3, 111 111 1111	accessible surfaces are assified as TS1.	Р
9.3		safeguards are required tween TS1 and ordinary person	N/A
9.4	Requirements for safeguards		N/A



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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
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 opaque:		N/A
10.4.1.f)	UV attenuation:		N/A
10.4.1.g)	Materials resistant to degradation UV		N/A
10.4.1.h)	Enclosure containment of optical radiation:		N/A
10.4.1.i)	Exempt Group under normal operating conditions:		N/A
10.4.2	Instructional safeguard:		N/A
10.5	Protection against 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		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
	Maximum radiation (pA/kg)		N/A
10.6	Protection against acoustic energy sources		N/A
10.6.1	General		N/A



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Requirement + Test	Result - Remark	Verdict			
Classification		N/A			
Acoustic output, dB(A)	.:	N/A			
Output voltage, unweighted r.m.s	.:	N/A			
Protection of persons		N/A			
Instructional safeguards	.:	N/A			
		_			
		_			
		_			
Requirements for listening devices (headphone earphones, etc.)	es,	N/A			
Corded passive listening devices with analog input		N/A			
Input voltage with 94 dB(A) L <sub>Aeq</sub> acoustic pressure output	.:	_			
Corded listening devices with digital input		N/A			
Maximum dB(A)	.:	_			
Cordless listening device		N/A			
Maximum dB(A)	.:	_			
	Requirement + Test  Classification  Acoustic output, dB(A)	Requirement + Test  Result - Remark  Classification  Acoustic output, dB(A)			

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:		N/A
B.2.3	Supply voltage and tolerances		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	5 Vd.c supplied apparatus via external AC/DC adapter.	Р
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	Can't replaceable by ordinary person	N/A



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IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
B.3.7	Abnormal operating conditions as specified in		N/A	
	Clause E.2.			
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	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	
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:		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	IING AUDIO AMPLIFIERS	N/A	
E.1	Audio amplifier normal operating conditions	Equipment does not contain any audio amplifiers	N/A	



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	Audio signal voltage (V)		_
	Rated load impedance (Ω)		_
E.2	Audio amplifier abnormal operating conditions		N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	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
F.3.2	Equipment identification markings		Р
F.3.2.1	Manufacturer identification	See page 3 for details	<del></del>
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	5 Vd.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

G.2.3

Relay controlling connectors supply power



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Clause	Requirement + Test	Result - Remark	Verdict		
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	Approved External power supply used	Р		
F.3.9	Durability, legibility and permanence of marking		Р		
F.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.	Р		
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		

N/A



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G.2.4	Mains relay, modified as stated in G.2		N/A
G.3	Protection Devices	1	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
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 such device used	N/A
G.3.2.1b)	Thermal links tested as part of the equipment		N/A
	Aging hours (H):		_
- 	Single Fault Condition:		_
	Test Voltage (V) and Insulation Resistance ( $\Omega$ ). :		_
G.3.3	PTC Thermistors	No such device used	N/A
G.3.4	Overcurrent protection devices		N/A
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		N/A
G.3.5.2	Single faults conditions:	(See appended Table B.4)	N/A
G.4	Connectors		N/A
G.4.1	Spacings	No such device used	N/A
G.4.2	Mains connector configuration		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 device used	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°		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)		_
	Temperature (°C)		
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 device used	N/A	
	Position:		_	
	Method of protection		_	
G.5.3.2	Insulation		N/A	
	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		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		Р	
G.6.1	General	No peak working voltage exceeded ES2	Р	



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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:		_
	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- detachable power supply cords		N/A
G.7.3.2	Cord strain relief		N/A
G.7.3.2.1	Requirements		N/A
	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	Cord Entry:		N/A
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	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 such components used	N/A
G.8.2	Safeguard against shock		N/A
G.8.3	Safeguard against fire		N/A
G.8.3.2	Varistor overload test:		N/A
G.8.3.3	Temporary overvoltage:		N/A
<b>G</b> .9	Integrated Circuit (IC) Current Limiters		N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	No such components used	N/A
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):		_
G.9.1 e)	Manufacturers' defined drift		_
G.9.2	Test Program 1		N/A



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Clause	Requirement + Test	Result - Remark	Verdict
G.9.3	Test Program 2		N/A
G.9.4	Test Program 3		N/A
G.10	Resistors	1	N/A
G.10.1	General requirements	No such components used	N/A
G.10.2	Resistor test		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		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



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G.14.1	Requirements:		N/A
G.15	Liquid filled components		N/A
G.15.1	General requirements	No such components used	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
<b>G</b> .16	IC including capacitor discharge function (ICX)		N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	No such components used	N/A
b)	Impulse test using circuit 2 with Uc = to transient voltage		N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes		N/A
C2)	Test voltage:		_
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer		N/A
D2)	Capacitance:		_
D3)	Resistance:		_
Н	CRITERIA FOR TELEPHONE RINGING SIGNAL	S	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	Ringing signal		N/A
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 monitoring voltage complied with		N/A
H.3.2.2	Tripping device		N/A
H.3.2.3	Monitoring voltage (V)		_



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Clause	Requirement + Test	R	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	5 Vd.c supplied apparatus	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
M	EQUIPMENT CONTAINING BATTERIES AND TO	HEIR PROTECTION CIRCUITS	N/A
M.1	General requirements		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
M.3.2	Tests		N/A
	- Overcharging of a rechargeable battery		N/A



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	I the standard and a second and a second and a second as	No extra section	NI/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	(See append table Annex M)	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:	(See append table Annex M.4)	_
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
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



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	IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict		
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		N/A		
	Metal(s) used	Pollution degree considered	_		
0	MEASUREMENT OF CREEPAGE DISTANCES A	AND CLEARANCES	N/A		
	Figures O.1 to O.20 of this Annex applied:		_		
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN OBJECTS AND SPILLAGE OF INTERNAL LIQUIDS				
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		
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):		_		



-	IEC 62269 1		
	IEC 62368-1	T	
Clause	Requirement + Test	Result - Remark	Verdict
	TT (00)		
	Tr (°C):		_
	Ta (°C):		_
P.4.2 b)	Abrasion testing		N/A
P.4.2 c)	Mechanical strength testing		N/A
Q	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	Р
Q.1	Limited power sources		Р
Q.1.1 a)	Inherently limited output		Р
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		N/A
Q.1.2	Compliance and test method		Р
Q.2	Test for external circuits – paired conductor cable		Р
	Maximum output current (A):	(See append table Annex Q.1)	_
	Current limiting method:	(See append table Annex Q.1)	_
R	LIMITED SHORT CIRCUIT TEST		N/A
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)):		N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE		N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material:		
	Wall thickness (mm)		
	Conditioning (°C):		_
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
ı	- Material not consumed completely		N/A
	- Material extinguishes within 30s		N/A
	- No burning of layer or wrapping tissue		N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A
	Samples, material		_
	Moll thickness (mm)		
	Wall thickness (mm):		

Conditioning (°C)....:



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	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:		_
	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 barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material		_
	Wall thickness (mm):		_
	Conditioning (test condition), (°C):		_
	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		N/A
Т	MECHANICAL STRENGTH TESTS		P
T.1	General requirements		Р
T.2	Steady force test, 10 N:		N/A
T.3	Steady force test, 30 N		N/A
T.4	Steady force test, 100 N:		Р
T.5	Steady force test, 250 N		N/A
T.6	Enclosure impact test		N/A
	Fall test		Р
	Swing test		Р
T.7	Drop test:	(See appended table T7)	Р
T.8	Stress relief test	(See appended table T8)	Р
T.9	Impact Test (glass)	,	N/A
T.9.1	General requirements		N/A
T.9.2	Impact test and compliance		N/A
	Impact energy (J):		- 3// 3
	Height (m)		
T.10	Glass fragmentation test		N/A
	-		
T.11	Test for telescoping or rod antennas		N/A



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		IEC 62368-1		
Clause	Requirement + Test	Resul	t - Remark	Verdict

	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: List	TABLE: List of critical components					
Object / part No	. Manufatradem		Type / model	Technical data	Standard		lark(s) of onformity <sup>1</sup>
РСВ	Variou	ıs	Various	V-1 or better, min. 130°C	UL 796		UL

# Supplementary information:

<sup>&</sup>lt;sup>2)</sup> Description line content is optional. Main line description needs to clearly detail the component used for testing

4.8.4, 4.8.5	TABLE: Lit	TABLE: Lithium coin/button cell batteries mechanical tests						
(The follow	ring mechanica	tests are conducted in the sequence	uence noted.)	1				
4.8.4.2	TABLE: Str	ess Relief test						
F	Part	Material	Oven Temperature (°C)	Comments				
4.8.4.3	TABLE: Ba	ttery replacement test						
			:	_				
	stallation/withd		Battery Installation/Removal Cycle	Comments				
			1					
			2					
			3					
			4					
			5					
			6					
			8					
			9					
			10					
4.8.4.4	TABLE: Dro	p test		_				
mpact Are	эа	Drop Distance	Drop No.	Observations				
			1					
			2					
			3					
4.8.4.5	TABLE: Imp	pact	1	_				
Impacts	per surface	Surface tested	Impact energy (Nm)	Comments				

<sup>&</sup>lt;sup>1)</sup> Provided evidence ensures the agreed level of compliance.



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4.8.4, 4.8.5	TABLE: Lithium coin/button cell batteries mechanical tests					
(The follow	ving mechanical t	ests are conducted in the sequer	nce noted.)			
4.8.4.6	TABLE: Crus	sh test		_		
Test position		Surface tested	Crushing Force (N)		n force ed (s)	
Suppleme	ntary information	:	1			

4.8.5	TABLE: Lith	LE: Lithium coin/button cell batteries mechanical test result  N/A						
Test p	osition	Surface tested	Force (N)	Duratio applie				
Supplementa	Supplementary information:							

5.2	Table: C	ble: Classification of electrical energy sources						
5.2.2.2 -	- Steady State	e Voltage and Cu	rrent conditions					
	0	Location (e.g.		Parameters				
No.	Supply Voltage	circuit designation)	Test conditions	U (Vrms or Vpk)	I (Apk or Arms)	Hz	ES Class	
1			Normal					
			Abnormal					
			Single fault – SC/OC					
			Normal					
			Abnormal					
			Single fault – SC/OC					

5.2.2.3	5.2.2.3 - Capacitance Limits								
NI.	Supply	Location (e.g.	Test conditions	Para	ES				
No.	Voltage	circuit designation)		Capacitance, nF	Upk (V)	Class			
			Normal						
			Abnormal						
			Single fault – SC/OC						
5.2.2.4	5.2.2.4 - Single Pulses								



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			Г	age 30 or 33	Report is	NO G1320191	2000029	301
	Supply	Location (e.g.	T ( 100		Parameter	'S	ES	ES Class
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lpk (mA)	01	
			Normal					
			Abnormal					
			Single fault – SC/OC					
5.2.2.	5 - Repetitive	Pulses						
	Supply	Location (e.g.	Test conditions	Parameters			F0 01	
No.	Voltage	circuit designation)		Off time (ms)	Upk (V)	lpk (mA)	ES Clas	SS
			Normal					
			Abnormal					
			Single fault – SC/OC					
Test (	Conditions:	1	1	1		l		
	No	rmal –						
	Abı	normal -						
Suppl	lementary info	rmation: SC=Sho	rt Circuit, OC=Sho	rt Circuit				

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature	BLE: Temperature measurements						Р	
									_
	Supply voltage (V) .		.: 5.0	0					
	Ambient T <sub>min</sub> (°C)		.: 24	.3					_
	Ambient T <sub>max</sub> (°C)	Ambient T <sub>max</sub> (°C)		.0					_
	Tma (°C)		.:						_
Maximum r	Maximum measured temperature T of part/at:			1		T (°C	C)		Allowed T <sub>max</sub> (°C)
DC termina	I		37.	.2					Ref.
PCB near r	nain U1		41.	.3					130
PCB near C	Q2		40.	.0					130-
Internal lea	ad		36.	.4					Ref.
Enclosure of	outside		34.	.1					77
Supplemen	tary information:		1			1			
Temperatui	re T of winding:	t <sub>1</sub> (°C)	$R_1$ ( $\Omega$ )	t <sub>2</sub> (°C)	R <sub>2</sub> (	Ω)	T (°C)	Allowed T <sub>max</sub> (°C)	Insulation class



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Supplementary information:

Test condition:

Note 1: Tma should be considered as directed by appliable requirement

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

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics					N/A
Allowed impression diameter (mm) ≤ 2 mm					_
Object/Part No./Material Manufacturer/trademark		Test temperature (°C) Impression diam		eter (mm)	
Supplementa	ry information:				

5.4.2.2, 5.4.2.4 and 5.4.3	TABLE: Minimum C	learances	s/Creepa	ge distance				N/A
Clearance (cl) and creepage distance (cr) at/of/between:		Up (V)	U r.m.s. (V)	Frequenc y (kHz) <sup>1</sup>	Required cl (mm)	cl (mm) <sup>2</sup>	Required <sup>3</sup> cr (mm)	cr (mm)

Supplementary information:

Note 1: Only for frequency above 30 kHz

Note 2: See table 5.4.2.4 if this is based on electric strength test

Note 3: Provide Material Group

5.4.2.3	TABLE: Minimum Cleara	TABLE: Minimum Clearances distances using required withstand voltage  N/A					
	Overvoltage Category (C	Overvoltage Category (OV):					
	Pollution Degree:						
Clearance	distanced between:	Required withstand voltage	Required cl (mm)	Measu	ured cl (mm)		
Supplemen	ntary information:	<u> </u>					

5.4.2.4	TABLE: Clearances based on electric strength test					
Test voltage applied between:		Required cl (mm)	Test voltage (kV) peak/ r.m.s. / d.c.	Breakdow Yes / No		

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Supplementary information:		

5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE: Dis	ABLE: Distance through insulation measurements						
Distance the insulation di		Peak voltage (V)	Frequency (kHz)	Material	Required DTI (mm)	DTI (mm)		
-								

Test voltage			-	N/A	
Functional:		Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No	
Functional:					
Basic/suppler	mentary:				
Reinforced:					
Routine Tests	3:				

5.5.2.2	TABLE: St	BLE: Stored discharge on capacitors							
Supply Volta	age (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Clas	ssification		
-	-	-	-						

Supplementary information:

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



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	TABLE. Resistance	ABLE: Resistance of protective conductors and terminations						
,	Accessible part	Test current (A)	Duration (min)	Voltage drop (V)	Res	sistance (Ω)		

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive pa	rt		N/A
Supply volta	age:			_
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	uch 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.



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6.2.2	Table: Electrical po	wer sources (PS	) measurements for c	classification	N/A
Source	Description	Measurement	Max Power after 3 s	Max Power after 5 s*)	PS Classification
		Power (W) :			
		VA (V) :			
		IA (A) :	-		
		Power (W) :			
		VA (V) :			
		IA (A) :			
		Power (W) :			
		VA (V) :			
		IA (A) :			

Supplementary Information:

(\*) Measurement taken only when limits at 3 seconds exceed PS1 limits

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 <sub>p</sub> x I <sub>rms</sub> )	Arcing PIS? Yes / No				
					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  $(I_{ms})$  is greater than 15.



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6.2.3.2	Table: Dete	Table: Determination of Potential Ignition Sources (Resistive PIS)						
Circuit Lo	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		N/A
Description	1	Values	Energy Source Classification
Lamp type	:		_
Manufactur	rer:		_
Cat no			_
Pressure (d	cold) (MPa)		MS_
Pressure (d	operating) (MPa):		MS_
Operating t	time (minutes):		_
Explosion r	method:		_
Max particle	e length escaping enclosure (mm).:		MS_
Max particle	e length beyond 1 m (mm):		MS_
Overall res	ult:		
Supplemen	ntary information:		



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B.2.5	TABLE: Inpu	ABLE: Input test						Р
U (V)	I (mA)	I rated (mA)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition	on/status
5.0	1530mA	2000	7.65				Normal	
Supplement	tary information	n.						

Supplementary information:

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

B.3	TABLE: Abnorm	al operating o	condition to	ests					N/A
Ambient temperature (°C)							_		
Power source for EUT: Manufacturer, model/type, output rating .: See page 2 for details							_		
Component No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fus curre (A)	nt,	T-couple	Temp. (°C)	Observat ion

### Supplementary information:

<sup>-</sup> 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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				JC 42 01 00			port No				
B.4	TABLE: Fault	condition test	ts							P	
Ambient temp	perature (°C)			:		25				_	
Power source for EUT: Manufacturer, model/type, output rating: See page 2 for details										_	
Component No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fu currer		-		Ob	Observation	
D201	Shorted	5Vdc	10mins		-	-			reco	shut down, verable. No age, no ırd.	
C212	Shorted	5Vdc	10mins		-	-			reco	shut down, verable. No age, no ırd.	

### Supplementary information:

Test table is provided to record abnormal and fault conditions for all applicable energy sources including Thermal burn injury. Column "Abnormal/Fault." Specify if test condition by indicating "Abnormal" then the condition for a Clause B.3 test or "Single Fault" then the condition for Clause B.4.

Annex M	TABI	E: Batteri	es							N/A
The tests of	f Anne	x M are ap	plicable on	ly when appro	priate batt	ery data is	not availa	ble		N/A
Is it possible	e to ins	stall the ba	ttery in a re	verse polarity	position?.		:	N/	Ά	N/A
		Non-re	chargeable	e batteries	Rechargeable batteries					
		Disch	arging	Un-	Chai	ging	Disch	arging	Revers	ed charging
		Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. curren t	Manuf. Specs.
Max. curren during norm condition	-									
Max. curren during fault condition	t									
Test results	):		I		ı		ı			Verdict
- Chemical	leaks									N/A
- Explosion	of the	battery								N/A
- Emission of flame or expulsion of molten metal								N/A		
- Electric sti	- Electric strength tests of equipment after completion of tests								-	
Supplement N/A	tary in	formation:								



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Annex M.4	Table: Add batteries	able: Additional safeguards for equipment containing secondary lithium patteries								
Battery/Cell		Test conditions		Measurements						
N	0.		U	I (A)	Temp (C)					
Supplement	ary Information	on:	•							

Battery identification	Charging at T <sub>lowest</sub> (°C)	Observation	Charging at T <sub>highest</sub> (°C)	Observation						
Supplementary Int	Supplementary Information:									

		TABLE: Circuits intended for interconnection with building wiring (LPS)							
ith all load circuits disco	onnected:								
uoc (V)	Isc (A)	Isc (A)							
	Meas.	Limit	Meas.	Limit					
	-								
t		ts Uoc (V) Isc (A) Meas.	ts Uoc (V) Isc (A)  Meas. Limit	ts					

T.2, T.3, T.4, T.5							
Part/Loca	ition	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Obsei	rvation
						No energy sexceed class be accessed	ss 1 can
Supplement	ary info	rmation:			•	•	

T.6, T.9	TAB	LE: Impact tests				N/A	
Part/Locati	ion	Material	Thickness (mm)	Vertical distance (mm)	Observation		
		-					
Supplementary information:							

T.7	TAB	LE: Drop tests				Р
Part/Location		Material	Thickness (mm)	Drop Height (mm)	Observation	
Enclosure top		-	Min. 1.0	1 000 mm	No energy source exceed class accessed	1 can be
Enclosure s	ide	-	Min. 1.0	1 000 mm	No energy source exceed class accessed	1 can be



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Enclosure Bottom		Min. 1.0	1 000 mm	No energy source exceed class 1 can be accessed
Supplementary inf	formation:			

T.8	TAB	LE: Stress relief te	st				N/A
Part/Locat	ion	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observ	ation
		1	-		1		
Supplementa	ary inf	ormation:					



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Р

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

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

**Differences according to.....**: EN 62368-1:2014+A11:2017

Attachment Form No..... EU\_GD\_IEC62368\_1B\_II

Master Attachment ...... Date 2017-09-22

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**CENELEC COMMON MODIFICATIONS (EN)** 

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	1							1	
					es, figures ar refixed "Z".	nd annexe	es which are	additional to	Р
CONTENTS	Add	the follow	wing annex	es:					Р
	Anne	ex ZA (no	ormative)	with t	Normative their correspond			onal publications ications	
	Anne	ex ZB (no	ormative)		Special nat				
	Anne	ex ZC (in	formative)		A-deviation				
	Anne	ex ZD (in	formative)		IEC and Cl cords	ations for flexible			
			"country" r the followin		he reference	documer	nt (IEC 6236	8-1:2014)	Р
		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		
					-	1			
	Fors	special n	ational con	ditions,	see Annex Z	В.			Р



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

ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	
4.1.15	Denmark, Finland, Norway and Sweden:	N/A
	Class I pluggable equipment type A marking	
4.7.3	United Kingdom:	N/A
	Torque test socket-outlet BS 1363, and the	
	plug part BS 1363.	
5.2.2.2	Denmark:	N/A
	Warning for high touchcurrent	
5.4.11.1	Finland and Sweden:	N/A
and	Separation of the telecommunication network	
Annex G	from earth	
5.5.2.1	Norway:	N/A
	Capacitors rated for the applicable line-to-	
	line voltage (230 V).	
5.5.6	Finland, Norway and Sweden:	N/A
	Resistors used as basic safeguard or	
	bridging basic insulation comply with G.10.1	
	and G.10.2.	
5.6.1	Denmark:	N/A
	Protection for pluggable equipment type A;	
	integral part of the equipment	
5.6.4.2.1	Ireland and United Kingdom:	N/A
	The protective current rating is taken to be	
	13 A	
5.6.5.1	Ireland and United Kingdom:	N/A
	Conductor sizes of flexible cords to be	
	accepted by terminals for equipment rated	
	10 A to 13 A	



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	3	•
5.7.5	Denmark:	N/A
	The installation instruction affixed to the	
	equipment if high protective conductor	
	current	
5.7.6.1	Norway and Sweden:	N/A
	Television distribution system isolation text in	
	user manual	
5.7.6.2	Denmark:	N/A
	Warning for high touch current	
3.3.1	Ireland and United Kingdom:	N/A
and	Tests conducted using an external miniature	
B.4	circuit breaker or protective devices included	
	as an integral part of the direct plug-in	
	equipment	
G.4.2	Denmark:	N/A
	Appliances rated ≤13 A provided with a plug	
	according to DS 60884-2-D1:2011.	
	Class I equipment provided with socket-	N/A
	outlets provided with a plug in accordance	
	with standard sheet DK 2-1a or DK 2-5a.	
	If a single-phase equipment having rated >13	N/A
	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.	
	Mains socket outlets intended for providing	N/A
	power to Class II apparatus rated 2,5 A in	1,77
	accordance with DS 60884-2-D1:2011	
	standard sheet DKA 1-4a.	
	Other current rating socket outlets in	N/A
	compliance with Standard Sheet DKA 1-3a	14/1
	or DKA 1-1c.	
	Mains socket-outlets with earth in	N/A
	compliance with DS 60884-2-D1:2011	14/74
	Standard Sheet DK 1-3a, DK 1-1c, DK1-1d,	
	DK 1-5a or DK 1-7a	
G.4.2	United Kingdom:	N/A
5.4.2	The plug part of direct plug-in equipment	19/74
	assessed to BS 1363	
G.7.1	United Kingdom:	N/A
3.7.1	Equipment fitted with a 'standard plug' in	19/74
	accordance with the Plugs and Sockets etc	
	(Safety) Regulations 1994, Statutory	
	Instrument 1994 No. 1768	
G.7.1	Ireland:	N/A
J.1.1		IN/A
	Apparatus provided with a plug in	
	accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters	
	•	
	for Domestic Use	



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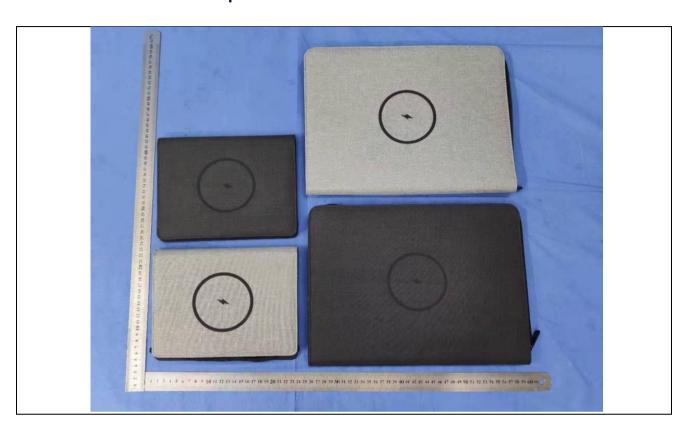
G.7.2	Ireland and United Kingdom:	N/A
	A power supply cord for equipment which is	
	rated over 10 A and up to and including 13	
	A.	

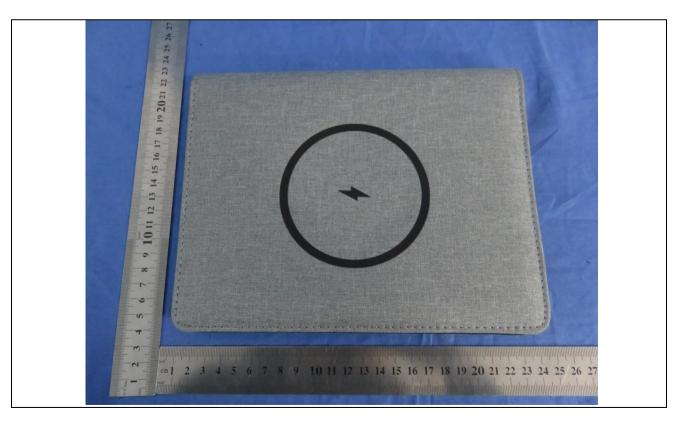
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	
10.5.2	Germany:	N/A
	Cathode ray tube intended for the display of	
	visual images, authorization or application of	
	type approval and marking.	
F.1	Italy:	N/A
	The power consumption in Watts (W)	
	indicated on TV receiver and in instruction	
	for use	
	TV receivers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

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# **Attachment: Photos of the product**

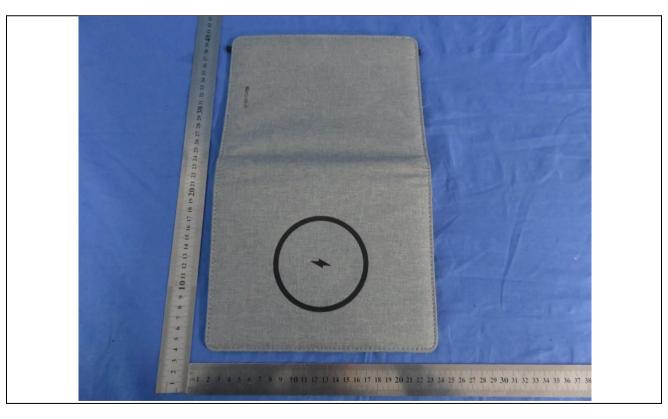






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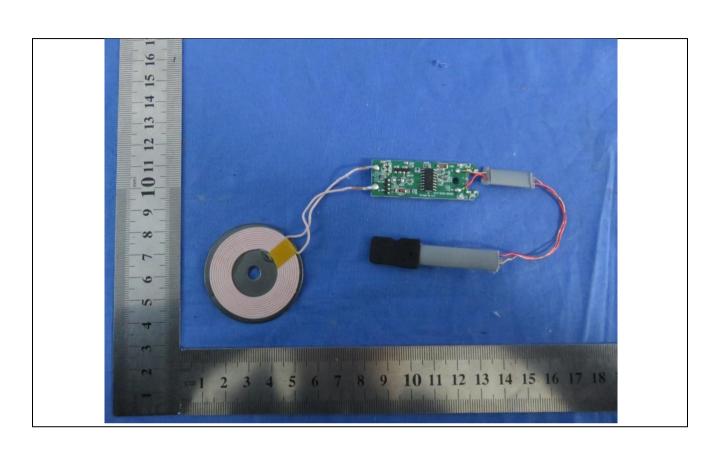
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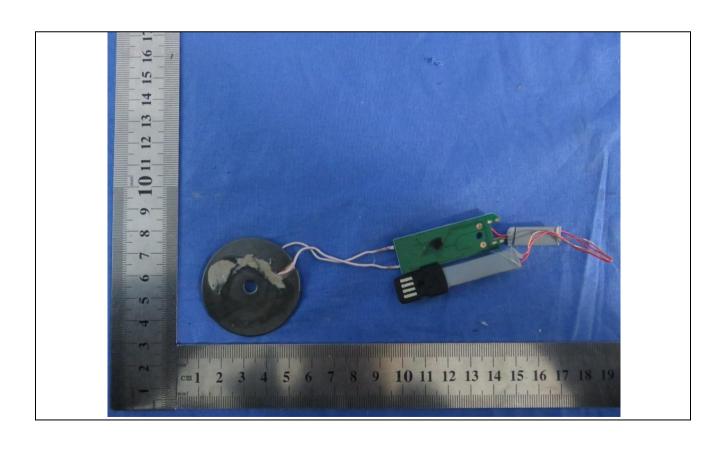






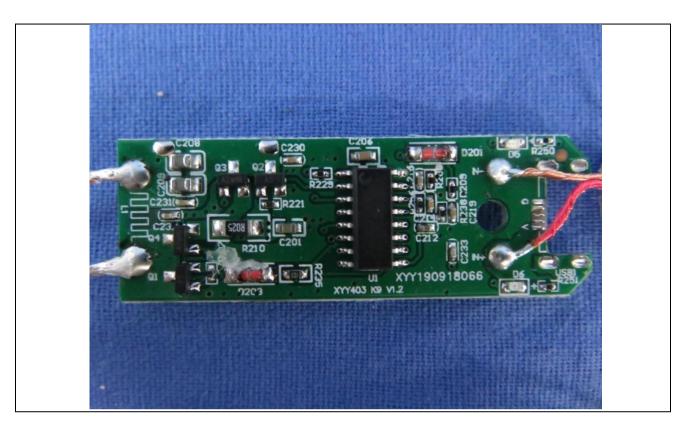
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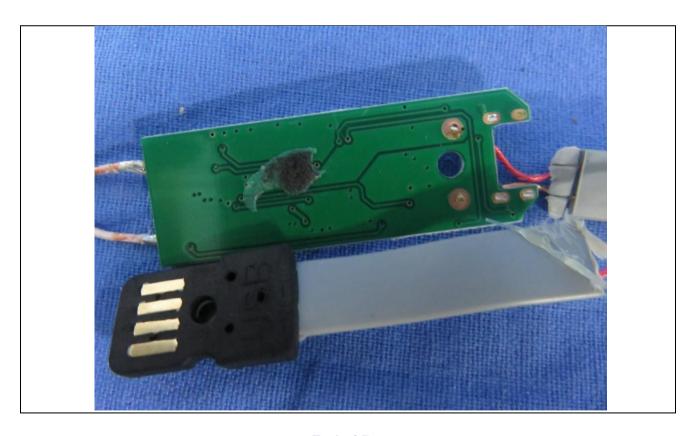




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--- End of Report --