

Shenzhen Boke Digital Technology Co., Ltd.

Report No.: BSTXD190512561001SR

TEST REPORT

Prepared For:	
Product Name:	Bluetooth speaker
Main Test Model:	BT-131
Additional Model:	P328.362, BT-160, BT-159, BT-158, BT-157, BT-156, BT-155
Prepared By:	BST Testing (Shenzhen) Co.,Ltd. No.7,New Era Industrial Zone, Guantian, Bao'an District, Shenzhen, Guangdong, China
Test Date:	May 13, 2019 – May 24, 2019
Date of Report:	May 27, 2019
Report No.:	BSTXD190512561001SR



TEST Report EN 62368-1

Report No.: BSTXD190512561001SR

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

Pa	art 1: Safety requirements
Testing laboratory:	BST Testing (Shenzhen) Co.,Ltd.
Address:	No.7, New Era Industrial Zone, Guantian, Bao'an District, Shenzhen, Guangdong, China
Testing location:	BST Testing (Shenzhen) Co.,Ltd.
Applicant:	
Address:	
Standard:	EN 62368-1:2014+A11:2017
Procedure deviation:	N.A.
Non-standard test method:	N.A.
Type of test object:	See page 1
Trademark:	See page 1
Model/type reference:	See page 1
Rating:	See label
Manufacturer:	
Address:	
Test item particulars:	
Equipment mobility:	Movable
Operation condition:	Continuous
Class of equipment:	Class III
Protection against ingress of water . :	IPX0

Possible test case verdicts:

test case does not apply to the test object : N(.A.)

test object does meet the requirement : P(ass)

test object does not meet the requirement : F(ail)



General remarks:	
"(see remark #)" refers to a remark appended to the report.	Attached with:
"(see appended table)" refers to a table appended to the report.	A. Photo documentation
Throughout this report a comma is used as the decimal separator.	
The test results presented in this report relate only to the object tested.	
This report shall not be reproduced except in full without the written approval of the testing laboratory.	

Report No.: BSTXD190512561001SR

Artwork of Marking Label

Bluetooth speaker
Model: BT-131
Input: 3.7V=-, 1A

Shenzhen Boke Digital Technology
Co.,Ltd.

Prepared by :

Engineer

Jacky Zhang

Reviewer :

Supposed & Authorized Signer :



	EN 62368-1			
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		N/A
4.4.4	Safeguard robustness		N/A
4.4.4.2	Steady force tests		N/A
4.4.4.3	Drop tests		N/A
4.4.4.4	Impact tests	(See Annex T.6)	Р
4.4.4.5	Internal accessible safeguard enclosure and barrier tests		N/A
4.4.4.6	Glass Impact tests		N/A
4.4.4.7	Thermoplastic material tests	(See Annex T.8)	N/A
4.4.4.8	Air comprising a safeguard		N/A
4.4.4.9	Accessibility and safeguard effectiveness		N/A
4.5	Explosion		N/A
4.6	Fixing of conductors		Р
4.6.1	Fix conductors not to defeat a safeguard		Р
4.6.2	10 N force test applied to		Р
4.7	Equipment for direct insertion into mains socket - outlets		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:		N/A



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

5	ELECTRICALLY-CAUSED INJURY		Р
5.2.1	Electrical energy source classifications:	SELV	Р
5.2.2	ES1, ES2 and ES3 limits	ES1	Р
5.2.2.2	Steady-state voltage and current:	See appended table 5.2	Р
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)	Р
5.3	Protection against electrical energy sources		Р
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons		Р
5.3.2.1	Accessibility to electrical energy sources and safeguards		Р
5.3.2.2	Contact requirements	SELV	Р
	a) Test with test probe from Annex V:	No Hazardous	Р
	b) Electric strength test potential (V):		N/A
	c) Air gap (mm)	<0.2 mm	Р
5.3.2.4	Terminals for connecting stripped wire		Р
5.4	Insulation materials and requirements		Р
5.4.1.2	Properties of insulating material		Р
5.4.1.3	Humidity conditioning:		N/A
5.4.1.4	Maximum operating temperature for insulating materials:		Р
5.4.1.5	Pollution degree:	PD2	_
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound		N/A
5.4.1.5.3	Thermal cycling		N/A
5.4.1.6	Insulation in transformers with varying dimensions		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		Р



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
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		Р
5.4.2	Clearances		N/A
5.4.2.2	Determining clearance using peak working voltage		N/A
5.4.2.3	Determining clearance using required withstand voltage:		N/A
	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



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
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 (M Ω):		
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)		_
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 _{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		<u> </u>



	EN 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict		
5.5.1	General		Р		
5.5.2	Capacitors and RC units		N/A		
5.5.2.1	General requirement		Р		
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		
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		



	EN 62368-1	
Clause	Requirement + Test Result - Remark	Verdict
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 protective 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):	_
	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)		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:		Р



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
6.2.2.3	Power measurement for worst-case power source fault:		N/A
6.2.2.4	PS1:	(See appended table 6.2.2)	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		N/A
6.2.3.2	Resistive PIS		N/A
6.3	Safeguards against fire under normal operating and	d 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		Р
6.3.1 (b)	Combustible materials outside fire enclosure		N/A
6.4	Safeguards against fire under single fault condition	S	Р
6.4.1	Safeguard Method		Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits		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:		Р
	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:		Р
6.4.6	Control of fire spread in PS3 circuit		Р
6.4.7	Separation of combustible materials from a PIS		N/A
6.4.7.1	General:	(See tables 6.2.3.1 and 6.2.3.2)	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		Р



EN 62368-1			
Clause	Requirement + Test Result - Remark	Verdict	
6.4.8.1	Fire enclosure and fire barrier material properties HB	Р	
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	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):	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:	N/A	
6.6	Safeguards against fire due to connection to additional equipment	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	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)	_



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
7.6	Batteries:	(See Annex M)	N/A

8.1			P
O. I	General		Р
8.2	Mechanical energy source classifications	MS1	Р
8.3	Safeguards against mechanical energy sources		N/A
8.4	Safeguards against parts with sharp edges and corners		N/A
8.4.1	Safeguards		N/A
8.5	Safeguards against moving parts	No moving parts	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		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



EN 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
8.6.3	Relocation stability test		N/A	
	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	No such equipment	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 such handles	N/A	
8.8.1	Classification		N/A	
8.8.2	Applied Force		N/A	
8.9	Wheels or casters attachment requirements	No such wheels or casters	N/A	
8.9.1	Classification		N/A	
8.9.2	Applied force			
8.10	Carts, stands and similar carriers	No such carts, stands and similar carriers	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	No such rack mounted equipment	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		N/A	



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	Button/Ball diameter (mm)		_

9	THERMAL BURN INJURY	THERMAL BURN INJURY	
9.2	Thermal energy source classifications	TS1	Р
9.3	Safeguard against thermal energy sources		Р
9.4	Requirements for safeguards	•	Р
9.4.1	Equipment safeguard		Р
9.4.2	Instructional safeguard	:	N/A

10	RADIATION		N/A
10.2	Radiation energy source classification	No radiation	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



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
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
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 RS2:		_
10.6.5	Requirements for listening devices (headphones, earphones, etc.)		N/A
10.6.5.1	Corded passive listening devices with analog input		N/A
	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):		_



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		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:		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		N/A
B.3.3	D.C. mains polarity test		N/A
B.3.4	Setting of voltage selector		N/A
B.3.5	Maximum load at output terminals		Р
B.3.6	Reverse battery polarity		N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.		N/A
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:	(See appended table B.4)	Р
B.4.3	Motor tests		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		Р
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		N/A
B.4.7	Continuous operation of components		N/A



	BST Testing (Shenzhen) Co.,Ltd. Report No.: BSTXD1905125610	01SR
	EN 62368-1	
Clause	Requirement + Test Result - Remark	Verdict
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	N/A
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	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	N/A
D.2	Antenna interface test generator	N/A
D.3	Electronic pulse generator	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAINING 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 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	Р
F.3.2	Equipment identification markings	Р



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
F.3.2.1	Manufacturer identification:		_
F.3.2.2	Model identification		_
F.3.3	Equipment rating markings		Р
F.3.3.1	Equipment with direct connection to mains		Р
F.3.3.2	Equipment without direct connection to mains		N/A
F.3.3.3	Nature of supply voltage		_
F.3.3.4	Rated voltage	See label	_
F.3.3.4	Rated frequency		_
F.3.3.6	Rated current or rated power	See label	_
F.3.3.7	Equipment with multiple supply connections		N/A
F.3.4	Voltage setting 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		N/A
F.3.6.1	Class I Equipment		N/A
F.3.6.1.1	Protective earthing conductor terminal		N/A
F.3.6.1.2	Neutral conductor terminal		N/A
F.3.6.1.3	Protective bonding conductor terminals		N/A
F.3.6.2	Class II equipment (IEC60417-5172)		N/A
F.3.6.2.1	Class II equipment with or without functional earth	ı	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking		N/A
F.3.7	Equipment IP rating marking	IPX0	_
F.3.8	External power supply output marking		N/A
F.3.9	Durability, legibility and permanence of marking		Р
F.3.10	Test for permanence of markings		Р

&b)



200	BST Testing (Shenzhen) Co.,Ltd.	Report No.: BSTXD1905125	61001SR
	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdic
F.4	Instructions		Р
	a) Equipment for use in locations where children not likely to be present - marking		N/A
	b) Instructions given for installation or initial use		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		Р
	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		Р
G.1	Switches		N/A
G.1.1	General requirements		N/A
G.1.2	Ratings, endurance, spacing, maximum load		N/A
G.2	Relays		N/A
G.2.1	General requirements		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		N/A
G.3.1.1a)	Thermal cut-outs separately approved according		N/A

to IEC 60730 with conditions indicated in a) & b)



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
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		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 (Ω). :		_
G.3.3	PTC Thermistors		N/A
G.3.4	Overcurrent protection devices		N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G	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:		N/A
G.4	Connectors		N/A
G.4.1	Spacings		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		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



	EN 62368-1	
Clause	Requirement + Test Result - Remark	Verdict
	T	
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1):	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	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



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
G.5.4.9	Series motors		N/A
	Operating voltage		_
G.6	Wire Insulation		N/A
G.6.1	General		N/A
G.6.2	Solvent-based enamel wiring insulation		N/A
G.7	Mains supply cords		N/A
G.7.1	General requirements		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		N/A
G.8.2	Safeguard against shock		N/A
G.8.3	Safeguard against fire		N/A



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
G.8.3.2	Varistor overload test		N/A
G.8.3.3	Temporary overvoltage		N/A
G.9	Integrated Circuit (IC) Current Limiters		N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.		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
G.9.3	Test Program 2		N/A
G.9.4	Test Program 3		N/A
G.10	Resistors		N/A
G.10.1	General requirements		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		Р
G.11.1	General requirements		Р
G.11.2	Conditioning of capacitors and RC units		Р
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)		N/A
	Type test voltage Vini:		_
	Routine test voltage, Vini,b:		_
G.13	Printed boards		Р
G.13.1	General requirements		Р
G.13.2	Uncoated printed boards		Р



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
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
G.15.1	General requirements		N/A
G.15.2	Requirements		N/A
G.15.3	Compliance and test methods		N/A
G.15.3.1	Hydrostatic pressure test		N/A
G.15.3.2	Creep resistance test		N/A
G.15.3.3	Tubing and fittings compatibility test		N/A
G.15.3.4	Vibration test		N/A
G.15.3.5	Thermal cycling test		N/A
G.15.3.6	Force test		N/A
G.15.4	Compliance		N/A
G.16	IC including capacitor discharge function (ICX)		N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours		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



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
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 SIGNALS		N/A
H.1	General		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)		_
J	INSULATED WINDING WIRES FOR USE WITHOU	T INTERLEAVED INSULATION	N/A
	General requirements		N/A
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		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



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
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		Р
L.1	General requirements	SWITCH	Р
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 TI	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
	- Unintentional charging of a non-rechargeable battery		N/A
	- Reverse charging of a rechargeable battery		N/A
	- Excessive discharging rate for any battery		N/A
M.3.3	Compliance		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



	BST Testing (Sherizhen) Co.,Ltd.	Report No., 6317D190312	
EN 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
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		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		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		N/A
M.8.1	General requirements		N/A
M.8.2	Test method		N/A
M.8.2.1	General requirements		N/A



	EN 62368-1		
Clause	Requirement + Test Re	esult - Remark	Verdict
14000	E-though a show that a show that (1.3(1))		
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		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		_
0	MEASUREMENT OF CREEPAGE DISTANCES AND CLE	EARANCES	Р
	Figures O.1 to O.20 of this Annex applied:		_
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN OBJECT INTERNAL LIQUIDS	TS AND SPILLAGE OF	Р
P.1	General requirements		Р
P.2.2	Safeguards against entry of foreign object		Р
	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



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	T- (90)		
	Tc (°C):		
	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 WIT	H BUILDING WIRING	N/A
Q.1	Limited power sources		N/A
Q.1.1 a)	Inherently limited output		N/A
Q.1.1 b)	Impedance limited output		N/A
	- Regulating network limited output under normal operating and simulated single fault condition		N/A
Q.1.1 c)	Overcurrent protective device limited output		N/A
Q.1.1 d)	IC current limiter complying with G.9		N/A
Q.1.2	Compliance and test method		N/A
Q.2	Test for external circuits – paired conductor cable		N/A
	Maximum output current (A):		_
	Current limiting method:		_
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
	- Material not consumed completely		N/A
	- Material extinguishes within 30s		N/A



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	- No burning of layer or wrapping tissue		N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A
	Samples, material:		_
	Wall thickness (mm)		_
	Conditioning (°C):		_
	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		Р
Γ.1	General requirements		Р
Γ.2	Steady force test, 10 N		Р
Γ.3	Steady force test, 30 N		N/A
Γ.4	Steady force test, 100 N		Р
Γ.5	Steady force test, 250 N		N/A
Т.6	Enclosure impact test		N/A
	Fall test		N/A



		·							
	EN 62368-1								
Clause	Requirement + Test	Requirement + Test Result - Remark							
	Outtook								
	Swing test		N/A						
T.7	Drop test	: See appended table T7)	Р						
T.8	Stress relief test	: (See appended table T8)	N/A						
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)	:	_						
	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 AGAINST THE EFECTS OF IMPLOSION	TUBES (CRT) AND PROTECTION	I 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	: (See Annex T)	N/A						
V	DETERMINATION OF ACCESSIBLE PARTS (F	INGERS, PROBES AND WEDGES) N/A						
V.1	Accessible parts of equipment		N/A						
V.2	Accessible part criterion		N/A						



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

4.8.4, 4.8.5	TABLE: I	ithium coin/button cell batterie	es mechanical tests	N/A
(The follow	ving mecha	nical tests are conducted in the	e sequence noted.)	
4.8.4.2	TABLE: S	tress Relief test		_
Pa	rt	Material	Oven Temperature (°C)	Comments
4.8.4.3	TABLE: B	sattery replacement test		
Battery par	t no			_
Battery Inst	tallation/witl	ndrawal	Battery Installation/Removal Cycle	Comments
			1	
			2	
			3	
			4	
			5	
			6	
			8	
			9	
			10	
4.8.4.4	TABLE: D	rop test		N/A
Impact Area		Drop Distance	Drop No.	Observations
	<u> </u>			
4.8.4.5	TABLE: In	npact		N/A
Impacts pe	er surface	Surface tested	Impact energy (Nm)	Comments
4.8.4.6	TABLE: C			N/A
Test po	osition	Surface tested	Crushing Force (N)	Duration force applied (s)



	EN 62368-1									
С	Clause Requirement + Test Result - Remark Verd									
	4.8.4, TABLE: Lithium coin/button cell batteries mechanical tests 4.8.5									
	(The follow	ving mechanical tests are con	nducted in the sequence noted.)							
	Supplementary information:									



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

4.8.5	TABLE: Lith	BLE: Lithium coin/button cell batteries mechanical test result N/A								
Test p	oosition	Surface tested	Force (N)		ion force lied (s)					
Supplemen	ntary informat	ion:								

5.2	Table: C	Table: Classification of electrical energy sources									
5.2.2.2 – Steady State Voltage and Current conditions											
		Location (e.g.		ı	Parameters						
No.	Supply Voltage	circuit	Test conditions	U	I	U→	ES Class				
		designation)		(Vrms or Vpk)	(Apk or Arms)	Hz					
1	3.7Vdc	Internal circuits	Normal	3.7Vdc							
		supplied by external power	Abmormal				ES1				
		supply	Single fault-				E31				
			SC/OC								

5.2.2.3 -	Capacitance	e Limits							
	Supply	Location (e.g.	- · · · · · · ·	Parameters				ES	
No.	Voltage	circuit designation)	Test conditions Capacitance, nF		Capacitance, nF Upk (V)		Upk (V)	Class	
			Normal						
			Abnormal						
			Single fault – SC/OC						
5.2.2.4 -	Single Pulse	es							
	Supply	Location (e.g.			Param	neters		ES	
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk	(V)	lpk (mA)	Class	
			Normal						
			Abnormal						
			Single fault – SC/OC						



				EN 623	368-1				
Clause	;	Req	uirement + Test			Result - R	emark		Verdict
5.2.2.	5 - Repe	titive	Pulses						
	Supply		Location (e.g.			Paran	neters		
No.	No. Voltage circuit designation)		Test conditions	Off time (ms) Upk	(V)	lpk (mA)	ES Class	
				Normal					
				Abnormal					
				Single fault – SC/OC					
Test C	Condition	s:							•
	5	Suppl	ementary inform	ation: SC=Short Ci	rcuit, OC=Sho	rt Circuit,	@=shut	down	

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature measurements								Р		
	Supply voltage (V)		:	3.7	V						_
	Ambient Tmin (°C)		:		•						_
	Ambient T _{max} (°C)		:			-		ŀ			_
Maximum measured temperature T of part/at::								T (°C)		Allowed T _{max} (°C)
Internal wire	е			38.	2						80
Enclosure i	nside			35.7							Ref.
Ambient				25.	0						
Supplemen	tary information:						_				
Temperature T of winding: t ₁ (°C) R ₁				(Ω)	t ₂	(°C)	R	2 (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
Supplemen	tary information:										

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



					_						
	ı			EN 62368	-1	1					
Clause	Requirement	Requirement + Test				Result - Remark					
supplementa	ary information:										
5.4.1.10.3 TABLE: Ball pressure test of thermoplastics											
Allowed impression diameter (mm) ≤ 2 mm									_		
:	:										
Object/Part No./Material Mar			lanufacturer/trademark		Test temperature (°C)		Impression diameter (mr				
Supplementa	ary information:										
5.4.2.2, 5.4.2.4 TABLE: Minimum Clearances/Creepage distance and 5.4.3											
Clearance (cl) and creepage distance (cr) at/of/between:			U peak (V)	U r.m.s. (V)	Requir (mr		cl (mm)	Required cr (mm)	cr (mm)		
Functional:	•				·						
Supplement	tary information:										
The second	ary winding used	WIT b	so that the	tranformer	core was i	regard	as primary				



2003	BST Testing (Shenzhen) Co.,Ltd. Report No.: BSTXD190512561001SR									
			EN	62368-1						
Clause	Requirem	ent + Test			Result - Ren	nark		Verdict		
					-					
5.4.2.3	TABLE: Mir	TABLE: Minimum Clearances distances using required withstand voltage								
	Overvoltag	e Category (O	V):					<u>I</u>		
	Pollution D	egree:								
Clearance	distanced bet	ween:		withstand age	Required cl (mm)	Measu	red	cl (mm)		
O mari	to market									
Supplemen	tary information	on:								
5.4.2.4	TABLE: Cle	earances base			test			N/A		
Test voltage	e applied betv	veen:		ired cl im)	3 - 3 - 3 - 7		reakdown Yes / No			
Supplemen	tary informatio	on:								
	T							T		
5.4.4.2,	TABLE: Dis	tance through	n insulatio	n measuren	nents			N/A		
5.4.4.5 c) 5.4.4.9										
Distance the insulation d		Peak vo (V)		Frequency (kHz)	Material	Required DTI (mm)		DTI (mm)		
Supplement	ary informatio	n:								
5.4.9		ctric strength	tests					N/A		
Test voltage	e applied betv	veen:			Voltage shape (AC, DC, impulse, surge)	Test voltage (V)		reakdown Yes / No		
Functional:										



EN 62368-1									
Clause	Clause Requirement + Test					Result - Rem	ark		Verdict
Basic/suppler	Basic/supplementary:								
Reinforced:				<u>.</u>					
Supplementa	ry informat	tion:							
5.5.2.2 T	ABLE: St	ored discharg	e on capacito	ors					N/A
Supply Voltag	je (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or of		Measured V	ŭ	ES Cla	essification
Supplementa	ry informat	ion:					·		
X-capacitors i	nstalled fo	r testing are:							
□ bleeding	resistor rat	ing:							
□ ICX:									
Notes:									
A. Test Locati	A. Test Location:								
Phase to Neu	Phase to Neutral; Phase to Phase; Phase to Earth; and/or Neutral to Earth								
B. Operating	B. Operating condition abbreviations:								
N – Normal o	perating co	ondition (e.g., r	normal operation	on, or open	fus	e); S –Single	fault cond	ition	



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

Report No.: BSTXD190512561001SR

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

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive part				
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	ch current (mA)	

Notes:

Supplementary Information:

- [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.



	EN 62368-1					
Clause	Requirement + Test	Result - Remark	Verdict			

Report No.: BSTXD190512561001SR

6.2.2	Table: Electrica	power sour	ces	(PS) measurements for	or classification		Р
Source	Description	Measureme	ent	Max Power after 3 s	Max Power after 5 s*)	PS C	lassification
	Internal circuits	Power (W)	:	3.7	3.7		
A supplied by external power	V _A (V)	:	3.7	3.7		PS1	
	supply	I _A (A)	:	1.0	1.0		
		Power (W)	:	-	-		
В	-	V _A (V)	:	-	-		-
		I _A (A)	:	-	-		
		Power (W)	:				
С		V _A (V)	:				
		I _A (A)	:				
		Power (W)	:				
D		V _A (V)	:		_		
		I _A (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)						
		Open circuit voltage After 3 s	Measured r.m.s	Calculated value	Arcing PIS?			
	Location	(Vp)	(Irms)	$(V_p \times I_{rms})$	Yes / No			

Supplementary information:

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



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

Report No.: BSTXD190512561001SR

6.2.3.2	Table: Dete	Table: Determination of Potential Ignition Sources (Resistive PIS)						
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			N/A
Description		Values	Energy Source C	lassification
Lamp type	· · · · · · · · · · · · · · · · · · ·		_	
Manufacture	er:		_	
Cat no	:		_	
Pressure (co	old) (MPa):		MS_	
Pressure (o	perating) (MPa)		MS_	
Operating tir	ne (minutes):		_	
Explosion m	ethod:		_	
Max particle	length escaping enclosure (mm) .:		MS_	
Max particle	length beyond 1 m (mm):		MS_	
Overall resu	lt:			
Supplement	ary information:			



	EN 62368-1					
Clause	Requirement + Test	Result - Remark	Verdict			

B.2.5	TABLE: Ir	nput test					Р	
U (V)	I (A)	Irated (A)	P (W)	Fuse #	Ifuse (A)	Condition/status		
3.7	1.0	1.0	3.7	-	-	Normal work		
Supplemen	tary informa	tion:						

B.3	TABLE: Abnor	mal opera	ting cond	ition tests	i		N/A
	Ambient temper	rature (°C)			: See be	elow	_
	Power source for model/type, out				_		
Com- ponent No.	Fault	Supply voltage (V)	Test time	Fuse #	Fuse current (A)	Observati	ion
Suppleme	ntary information						



		EN 62368-1		
Clause	Requirement + Test	Result	- Remark	Verdict

Report No.: BSTXD190512561001SR

B.4 T	ABLE: Fault co	ondition tests								Р
Ambient temp	erature (°C)				:	25.0				_
Power source for EUT: Manufacturer, model/type, output rating .:					See la	abel			_	
Component N	o. Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.		nt, (A)	T-couple	Temp. (°C)	0	bservation
D1	S-C	3.7	10mins		-	-			da	Unit shut down, no amage, no hazards

Supplementary information:

Each Resistance fuse have tested for ten times, and the result was same

After fault condition, all output voltage comply with SELV requirement.

Annex M T	ABLE: Batte	eries							N/A
The tests of A	nnex M are a	applicable of	only when app	ropriate ba	attery data	is not ava	ilable		
Is it possible t	to install the b	pattery in a	reverse polari	ity position	ı?	:			
Non-rechargeable batter			batteries		R	Rechargeat	ole batteri	es	
	Discha	arging	Un-	Char	rging	Discha	arging	Reverse	ed charging
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during norma condition									
Max. current during fault condition									
Test results:									Verdict
- Chemical le	aks								
- Explosion of	the battery								
- Emission of	flame or exp	ulsion of m	olten metal						
- Electric strength tests of equipment after completion of tests									
Supplementa	ry information	1:							



	EN 62368-1		
Clause F	Requirement + Test	Result - Remark	Verdict

Annex M.4	Table: Add	itional safe	eguards for equ	ipment cor	ntaining seconda	ry lithium		N/A
Batte	ry/Cell	Test	conditions		Measurements	3	OI	oservation
N	lo.			U	I (A)	Temp (C)		
		Normal						
		Abnormal						
		Single fault –SC/OC						
		Normal						
		Abnormal	Abnormal					
		Single faul	ingle fault – SC/OC					
Supplement	ary Informati	on:						
Battery identificat	-	arging at Γ _{lowest} (°C)	Observation		Charging at T _{highest} (°C)	Observation		ion
Supplement	ary Informati	on:						

Annex Q.1	TABLE: Circuits inte	nded for interco	onnection with	building wirin	g (LPS)	N/A			
Note: Meas	Note: Measured UOC (V) with all load circuits disconnected:								
Output Components Circuit	Components	U _{oc} (V)	I _{sc}	(A)	S (VA)				
		Meas.	Limit	Meas.	Limit				
Supplemen	tary Information:								
SC=Short o	circuit, OC=Open circuit								



	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

T.2, T.3, T.4, T.5	TABL	ΓABLE: Steady force test						
Part/Loca	tion	Material	Thickness	Force	Test Duration	Obser	vation	
			(mm)	(N)	(sec)			
Enclosure			Min1.5	100	5	No Da	ımage	
Supplement	ary info	ormation:		•				

T.6, T.9	TAB	LE: Impact tests				N/A
Part/Location		Material	Thickness (mm)	Vertical distance (mm)	Observation	
Supplementa	ary info	ormation:				

T.7	TAB	LE: Drop tests				Р
Part/Location	on	Material	Thickness (mm)	Drop Height (mm)	Observation	
Enclosure			Min1.5	1000 mm	No Damage	
Supplementa	ry inf	ormation:		•		

T.8	TAB	TABLE: Stress relief test					N/A
Part/Locati	ion	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observ	ation
		-			-	-	
Supplementa	ary inf	ormation:					

	EUROPEAN NATIONAL DIFFERENCES		
	according to EN 62368-1		
	CENELEC COMMON MODIFICATIONS		
Clause	Requirement + Test Result - Remark	Verdict	
General	Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2014 are prefixed "Z".	P	
	Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.		
	This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).		
	Requirement of sound pressure for personal music player addressed by the mandate M/452 are covered in 10.6 "Safeguards against acoustic energy sources".		
	For equipment falling within the scope of directives other than those against which this standard is harmonized, additional requirements from those directives may apply.		
Contents	Add the following annexes:	Р	
	Annex ZA (normative) Normative references to international publications with their corresponding European publications		
	Annex ZB (normative) Special national conditions		
	Annex ZC (informative) A-deviations		
	Annex ZD (informative) IEC and CENELEC code designations for flexible cords		
ZA	NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS	-	

Report No.: BSTXD190512561001SR

ZB ANNEX (normative)

SPECIAL NATIONAL CONDITIONS

b)

c)



4.1.15	Denmark, Finland, Norway and Sweden	N/A
4.1.15	•	17/7
	To the end of the subclause the following is added:	
	Class I pluggable equipment type A intended for connection to other	
	equipment or a network shall, if safety	
	relies on connection to reliable earthing or	
	if surge suppressors are connected between the network terminals and	
	accessible parts, have a marking stating	
	that the equipment shall be connected to	
	an earthed mains socket-outlet.	
	The marking text in the applicable	
	countries shall be as follows:	
	In Denmark : "Apparatets stikprop skal	
	tilsluttes en stikkontakt med jord som	
	giver forbindelse til stikproppens jord."	
	In Finland : "Laite on liitettävä	
	suojakoskettimilla varustettuun	
	pistorasiaan"	
	In Norway : "Apparatet må	
	tilkoples jordet stikkontakt"	
	In Sweden : "Apparaten skall anslutas	
	till jordat uttag"	
4.7.3	United Kingdom	N/A
	To the end of the subclause the following	
	is added: The torque test is performed	
	using a socket-outlet	
	complying with BS 1363, and the plug part shall be	
	assessed to the relevant clauses of BS	
5000	1363. Also see Annex G.4.2 of this annex	
5.2.2.2	Denmark	N/A
	After the 2nd paragraph add the following:	
	A warning (marking safeguard) for high	
	touch current is required if the touch	
	current exceeds the limits of 3.5 mA a.c. or 10 mA d.c.	
5.4.11.1	Finland and Sweden	N/A
And		18/7
Annex G	To the end of the subclause the following is added:	
	is audeu.	<u> </u>



4.7.3	United Kingdom To the end of the subclause the following is	N/A
	added: The torque test is performed using	
	a socket-outlet complying with BS 1363, and the plug part	
	shall be assessed to the relevant clauses of BS	
	1363. Also see Annex G.4.2 of this annex For separation of the telecommunication network	
	from earth the following is applicable:	
	If this insulation is solid, including insulation	
	forming part of a component, it shall at	
	least consist of either • two layers of thin sheet material, each of	
	which shall pass the electric strength test below, or	
	one layer having a distance through	
	insulation of at least 0.4 mm, which shall	
	pass the electric strength test below. If this insulation forms part of a	
	semiconductor component (e.g. an	
	optocoupler), there is no distance through	
	insulation requirement for the insulation	
	consisting of an insulating compound	
	completely filling the casing, so that clearances and creepage distances do not	
	exist, if the component passes the electric	
	strength test in accordance with the	
	compliance clause below and in addition	
	 passes the tests and inspection criteria of 	
	5.4.8 with an electric strength test of 1.5 kV	
	multiplied by 1.6 (the electric strength test of	
	5.4.9 shall be performed using 1.5 kV), and	
	is subject to routine testing for electric strength during manufacturing, using a test	
	voltage of 1.5 kV.	
	It is permitted to bridge this insulation with	
	a capacitor complying with EN 60384-14:2005, subclass Y2.	
	A capacitor classified Y3 according to EN 60384-	
	14:2005, may bridge this insulation under	
	the following conditions:	
	• the insulation requirements are satisfied	
	by having a capacitor classified Y3 as	
	defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse	
	test of 2.5	
	kV defined in 5.4.11;	



And	a the additional teating shall be	<u> </u>
And	the additional testing shall be performed on	N/A
Anne	all the test specimens as described in	
x G	EN	
(cont'	60384-14;	
d)		
	the impulse test of 2.5 kV is to be	
	performed before the endurance test in	
	EN 60384-14, in the	
	sequence of tests as described in EN	
	60384-14.	
5.5.2.1	Norway	N/A
	After the 3rd paragraph the following is	
	added. Due to the IT never eveters	
	added: Due to the IT power system	
	used, capacitors are	
	required to be rated for the applicable line-	
	to-line	
	voltage (230 V).	
5.5.6	Finland, Norway and Sweden	N/A
	To the end of the subclause the following	
	is added: Resistors used as basic	
	cofoguard or bridging	
	safeguard or bridging	
	basic insulation in class I pluggable equipment type A shall comply with	
	G.10.1 and the test of G.10.2.	
5.6.1	Denmark	NI/A
0.0.1	Add to the end of the subclause	N/A
	Due to many existing installations where	
	the socket-outlets can be protected with	
	fuses with higher rating than the rating of	
	the socket-outlets the protection for	
	pluggable equipment type A shall be an	
	integral part of the equipment.	
	Justification:	
	In Denmark an existing 13 A socket	
	outlet can be protected by a 20 A fuse.	
5.6.4.2.1	Ireland and United Kingdom	N/A
	E C A O A After the indept for allowed	
	5.6.4.2.1 After the indent for pluggable	
	equipment type A, the following is added:	
	auueu.	
	- the protective current rating is taken	
	to be 13	
	A, this being the largest rating of fuse	
	used in the	
	mains plug.	
	h3-	 ļ



5.6.5.1	To the second paragraph the following is added: The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is:	N/A
	1.25 mm ² to 1.5 mm ² in cross-sectional area.	
5.7.5	Denmark	N/A
	To the end of the subclause the following	
	is added: The installation instruction shall	
	be affixed to the equipment if the protective conductor current	
	exceeds the limits of 3.5 mA a.c. or 10 mA d.c.	
5.7.6.1	Norway and Sweden	N/A
	To the end of the subclause the following	
	is added: The screen of the television	
	distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.	
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	



5.7.6.1	"Apparatus connected to the protective	N1/A
(cont'd)	earthing of	N/A
(00111 01)	the building installation through the	
	mains connection or through other	
	apparatus with a connection to	
	protective earthing – and to a television	
	distribution system using coaxial cable,	
	may in some circumstances create a fire	
	hazard. Connection to a television	
	distribution system therefore has to be	
	provided through a device providing	
	electrical isolation below a certain	
	frequency range (galvanic isolator, see EN	
	60728-	
	11)"	
	NOTE In Norway, due to regulation for CATV-	
	installations, and in Sweden, a galvanic	
	isolator shall provide electrical insulation	
	below 5 MHz. The insulation shall withstand a	
	dielectric strength of 1.5 kV r.m.s., 50	
	Hz or 60 Hz, for 1 min.	
	Translation to Norwegian (the	
	Swedish text will also be accepted in	
	Norway):	
	"Apparater som er koplet til	
	beskyttelsesjord via nettplugg og/eller via	
	annet jordtilkoplet utstyr – og er tilkoplet	
	et koaksialbasert kabel-TV nett, kan	
	forårsake brannfare. For å unngå dette	
	skal det ved tilkopling av apparater til	
	kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV	
	nettet."	
	nettet.	
	Translation to Swedish:	
	"Apparator com Sulconded till	
	"Apparater som är kopplad till	
	skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt är	
	kopplad till kabel-TV nät kan i vissa fall	
	medfőra risk főr brand. Főr att undvika	
	detta skall vid anslutning av apparaten	
	till kabel-TV nät galvanisk isolator finnas	
	mellan apparaten och kabel-TV nätet.".	



5.7.6.2	Denmark	N/A
	To the end of the subclause the following	
	is added: The warning (marking	
	safeguard) for high touch current is required if the touch current or the	
	protective current exceed the limits of 3.5 mA .	
B.3.1 and	Ireland and United Kingdom	N/A
B.4	The following is applicable:	
	To protect against excessive currents and short- circuits in the primary circuit of direct plug-in equipment, tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A.	
	If the equipment does not pass these tests,	
	suitable protective devices shall be included as an integral part of the direct plug-in	
	equipment, until the requirements of Annexes B.3.1 and B.4 are met.	



G.4.2	Denmark	N/A
	To the end of the subclause the following	
	is added: Supply cords of single phase	
	appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	
	CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2.5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA	
	1-1c. Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a. Justification: Heavy Current Regulations, Section 6c	



G.4.2	United Kingdom	N/A
0.4.2	To the end of the subclause the following	14//-4
	_	
	is added: The plug part of direct plug-in	
	equipment shall be	
	assessed to BS 1363: Part 1, 12.1, 12.2, 12.3,	
	12.9, 12.11, 12.12, 12.13, 12.16, and	
	12.17, except that the test of 12.17 is performed at not less than	
	125 °C. Where the metal earth pin is	
	replaced by an Insulated Shutter Opening Device	
	(ISOD), the	
	requirements of clauses 22.2 and 23 also apply.	
G.7.1	United Kingdom	N/A
	To the first paragraph the following is	
	added: Equipment which is fitted with a	
	flexible cable or	
	cord and is designed to be connected to a mains	
	socket conforming to BS 1363 by means	
	of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with	
	the Plugs and Sockets etc (Safety)	
	Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted	
	by those regulations.	
	NOTE "Standard plug" is defined in SI	
	1768:1994 and essentially means an	
	approved plug conforming to BS 1363 or an approved conversion plug.	
G.7.1	Ireland	N/A
	To the first paragraph the following is	
	added: Apparatus which is fitted with a	
	flexible cable or	
	cord shall be provided with a plug in accordance	
	with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for	
	Domestic Use Regulations: 1997. S.I.	
	525 provides for the recognition of a standard of another Member State which	
	is equivalent to the relevant Irish	
	Standard.	



G.7.2	Ireland and United Kingdom		N/A
	To the first paragraph the following is added:		
	A power supply cord with a conductor of 1.25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.		
	i. ZC ANNE	X (informative)	
		EVIATIONS	
10.5.2	Germany		N/A
	The following requirement applies:		ı
	For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.		
	Justification: German ministerial decree against ionizing radiation (Rötgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.		
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de		
F.1	Italy		N/A
	The following requirements shall be fulfilled:		ı
	 The power consumption in Watts (W) shall be indicated on TV receivers and in their instruction for use (Measurement according to EN 60555-2). 		
	Note/Nota EN 60555-2 has since been replaced by IEC 60107-1:1997.		
	 TV receivers shall be provided with an instruction for use, schematic diagrams and adjustments procedure in Italian language. 		
	Marking for controls and terminals shall be in Italian language. Abbreviation and international symbols are allowed provided that they are explained in the instruction for use.		
	The ECC manufacturers are bound to issue a conformity declaration according to the above requirements in the instruction manual. The correct statement for conformity to be written in the instruction manual, shall be:		
	Questo apparecchio è fabbricato nella CEE nel rispetto delle disposizioni del D.M. marzo 1992 ed è in particolare conforme alle prescrizioni dell'art. 1 dello stesso D.M.		



F.1	 The first importers of TV receivers manufactured outside EEC are bound to submit the TV receivers for previous conformity certification to the Italian Post Ministry (PP.TT). The TV receivers shall have on the backcover the certification number in the following form: 	N/A
	D.M. 26/03/1992 xxxxx/xxxxx/S or T or pT S for stereo T for Teletext pT for retrofitable teletext	
	Justification: Ministerial Decree of 26 March 1992 : National rules for television receivers trade.	
	NOTE/NOTA: Ministerial decree above contains additional, but not safety relevant requirements	
F.1	 The first importers of TV receivers manufactured outside EEC are bound to submit the TV receivers for previous conformity certification to the Italian Post Ministry (PP.TT). The TV receivers shall have on the backcover the certification number in the following form: 	N/A
	D.M. 26/03/1992 xxxxx/xxxxx/S or T or pT S for stereo T for Teletext pT for retrofitable teletext	



ANNEX A:

Report No.: BSTXD190512561001SR

Photo-documentation









End of the report