

Report No.: SZAIS190619008-01

Test Report

Client Name :

Address :

Product Name : Power Bank

Date : Aug. 01, 2019



Page 2 of 68 Report No.: SZAIS190619008-01

TEST REPORT EN 62368-1

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

Report Number: SZAIS190619008-01

Date of issue.....: Aug. 01, 2019

Total number of pages: 66 Pages

Applicant's name: SHENZHEN PUSOU ELECTRONIC MANUFACTORY

Address...... 4F, Entrance B, Building F, Xing Hui Science Park, Gu Shu 2Rd,

Xixiang of Bao'An District, Shenzhen, China

Test specification:

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

Test procedure Type Tested

Non-standard test method: N/A

Test Report Form No.: IEC62368_1B

General disclaimer:

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 Issuing Shenzhen Anbotek Compliance Laboratory Limited. The authenticity of this Test Report and its contents can be verified by Shenzhen Anbotek Compliance Laboratory Limited, responsible for this Test Report.

Testing procedure and testing location:

Testing Laboratory: Shenzhen Anbotek Compliance Laboratory Limited

Sanwei community, Hangcheng Street, Bao'an District,

Shenzhen, Guangdong, China.518102

Anbotek

Tested by (name + signature).....: Stone Chen Stone Chen

Approved by (name + signature) ..: Smile Tian *Approved * Smile Tian



Page 3 of 68 Report No.: SZAIS190619008-01

Power Bank Test Item description:

N/A Trade Mark::

Shenzhen PuSou Electronic Manufactory Manufacturer.....

> 4F, Entrance B, Building F, Xing Hui Science Park, Gu Shu 2Rd, Xixiang of Bao'An District, Shenzhen, China

PW33 Model/Type reference

Input: 5V== 1.5A, Output: 5V== 2A

Tests performed (name of test and test clause):

The submitted samples were found to comply with the requirements of:+

Electrical safety

IEC 62368-1:2014

Testing location:

Shenzhen Anbotek Compliance Laboratory

Limited

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES The product fulfils the requirements of IEC 62368-1:2014

Copy of marking plate:

Power Bank

Model: PW33

Input: 5V== 1.5A, Output: 5V== 2A





Manufacturer: Shenzhen PuSou Electronic

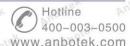
Manufactory

Address: 4F, Entrance B, Building F, Xing Hui Science Park, Gu Shu 2Rd, Xixiang of Bao'An

District, Shenzhen, China

(The label should be attached to the back of the product.)

- The above markings are the minimum requirements required by the safety standard. For the final production samples, the additional markings which do not give rise to misunderstanding may be added.





Page 4 of 68 Report No.: SZAIS190619008-01

TEST ITEM PARTICULARS:	
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person☐ Children likely to be present
Supply Connection:	☐ AC Mains ☐ DC Mains ☐ External Circuit - not Mains connected - ☐ ES1 ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	□ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ mating connector □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ☒ other:
Considered current rating of protective device as part of building or equipment installation	A; Installation location:
Equipment mobility:	□ movable □ hand-held □ transportable □ stationary □ for building-in □ direct plug- in □ rack-mounting □ wall-mounted
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC III □ OVC IV □ other: □
Class of equipment	☐ Class II ☐ Class III
Access location:	☐ restricted access location ☐ N/A
Pollution degree (PD):	□ PD 1 □ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	_40_°C
IP protection class	☐ IPX0 ⊠ IP_24
Power Systems	☐ TN ☐ TT ☐ IT V _{L-L} ⊠ N/A
Altitude during operation (m)	⊠ 2000 m or less □ m
Altitude of test laboratory (m):	
Mass of equipment (kg)	





Page 5 of 68 Report No.: SZAIS190619008-01

N/A
N/A
P (Pass)
F (Fail)
Anbore Anborek Anborek Anborek
Jun. 19, 2019
Jun. 19, 2019 to Jul. 01, 2019
tek Anbotes Anbotek Anbotek Anbote
to the report. sed as the decimal separator.
he General product information section.
Shenzhen PuSou Electronic Manufactory
4F, Entrance B, Building F, Xing Hui Science Park, Gu Shu 2Rd, Xixiang of Bao'An District, Shenzhen, China
Inpote An W Hotek Anbo. An
e, Class III apparatus. nax. altitude was 2000m.
10.4 Protection against visible, infrared, and UV Annex M Batteries test was not evaluated in this



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

ES₁

Source of electrical energy	Corresponding classification (ES)
5V dc input	Anbotek ES1 Anbotek Anbotek Anbotek Anbotek
The output	ES1 Anbotek Anbo
The enclosure	ES1 Andotek Ando K Sotek

Electrically-caused fire (Clause 6):

(Note: List sub-assembly or circuit designation and corresponding energy source classification)

Example: Battery pack (maximum 85 watts):

Source of power or PIS	Corresponding classification (PS)	Anboten
The circuit	PS1	nbo
The output	PS1 Anbott Anbott Art tek	- 1

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	Source of hazardous substances			Correspond	Corresponding chemical		
N/A	hotek	Anbole	And	N/A	K Work	Anboten	Aupo

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/me	echanical energy	Correspond	Corresponding classification (MS)			
Equipment mass	Anbotek Anbotek	MS1	Ans	anbotek	Anbore	

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

Sour	Source of thermal energy				Correspond			
N/A	Anboten	AUDO	abotek	Anboro	N/A	Anbotek	Aupor	A. botek

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 radiat	ion	botek	Anboter	Correspon	ding classif	ication (RS)	An. notek
N/A	Anbou	Ar. abotek	Anboten	N/A	Anbotek	Aupor	And



Page 7 of 68 Report No.: SZAIS190619008-01

	ENERGY SOURCE DIAGRAM									
Indicate	which energy	sources are in	cluded in the	energy sourc	e diagram	. Insert dia	agram be	low		
ole.	Yun Potek	Anbotek	Anbot	A. abotek	Anboten	Anb	rek	Aupotek	Anbore	
nbote		Ambotek	S □ PS	□ MS	□ TS	□RS				
Anbotek	Anbore	An Dete	S D PS	□ MS	□ TS	□ RS	Anboten	K And	4-	

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 person	ES1:The EUT	Vpeak<60V, cl.>1.2mm, cr>1.2		- Notek		
6.1	Electrically-caused fire					
Material part	Energy Source		Safeguards			
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforced		
Plastic enclosure	PS: The EUT	Input: 5Vdc, 1.5A, and the battery complied with PS1	ek Anbotek Dotek Anbotek Anbotek	Anbotek Anbotek Anbotek		
7.1	Injury caused by hazardous	substances				
Body Part	Energy Source	Safeguards				
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced		
N/A Antiodee Antion Antion	nbotek Anbote An	-botek Anbo	iek +upo	- nbotel		
8.1	Mechanically-caused injury					
Body Part	Energy Source		Safeguards			
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)		
Ordinary person	MS1 : Mass<7Kg	itek - Anboten	Anb.	anbotek		
9.1	Thermal Burn					
Body Part	Energy Source		Safeguards			
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced		
N/A	Anbotek _ Anbote	Ansabotek	Anbotek Ar	over A		
10.1	Radiation		36			
Body Part	Energy Source		Safeguards			





Page 8 of 68 Report No.: SZAIS190619008-01

(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced
N/A Andotes Andotes	ho otek Anbotek Ar	loofe, - Aun	otek -Anbotek	Anborra el

Supplementary Information:

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



Page 9 of 68 Report No.: SZAIS190619008-01

.k Anbo	otek	Anbotek	Aupor Aug	IEC 62368-	hbotek	Anbo	Anbotek	Anboton
Clause	botek	Anbot	Requirement + Test	nbotek	Aupole.	Result - Rei	mark Anbotek	Verdict

4	GENERAL REQUIREMENTS		JEK P AT
4.1.1	Acceptance of materials, components and subassemblies	Anbotek Anbotek An	nboteKP
4.1.2	Use of components	otek Anbou An botek	Anbole
4.1.3	Equipment design and construction	upotek Aupor Am potek	A.Poter
4.1.15	Markings and instructions	(See Annex F)	Panbot
4.4.4	Safeguard robustness	polick Anboto Am	tek P an
4.4.4.2	Steady force tests	(See Annex T.4, T.5)	_{ate} kP
4.4.4.3	Drop tests	(See Annex T.7)	PK
4.4.4.4	Impact tests	Dr. Vo. " "Fey.	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests:		N/A
4.4.4.6	Glass Impact tests:		N/A
4.4.4.74	Thermoplastic material tests:	(See Annex T.8)	Р
4.4.4.8	Air comprising a safeguard	ok hotek Anbotek A	N/A
4.4.4.9	Accessibility and safeguard effectiveness	All other safeguards remain effective and no class 3 energy sources become accessible.	Anbotek Anbotek
4.5	Explosion	Anbore Anbo	N/A
4.6	Fixing of conductors	Anbore Are notek Ar	poter P
4.6.1	Fix conductors not to defeat a safeguard	lek Anbote Anb notek	N/A
4.6.2	10 N force test applied to	10 N force test applied to internal wires	Ant Prek
4.7	Equipment for direct insertion into mains socket - outlets	Anbotek Anbotek Anbot	N/A
4.7.2	Mains plug part complies with the relevant standard	Anbotek Anbotek An	N/A
4.7.3	Torque (Nm):	rek abotek Anboten	N/A
4.8	Products containing coin/button cell batteries	oo' An botek Anbote	N/A
4.8.2	Instructional safeguard	Anbote Ant botek Anbotek	N/A
4.8.3	Battery Compartment Construction	Anboth And wotek Anboth	N/A
Anbotek	Means to reduce the possibility of children removing the battery	anbotek Anbotek An	
4.8.4	Battery Compartment Mechanical Tests	(See Table 4.8.4)	N/A
4.8.5	Battery Accessibility	tek abotek Anbotek	N/A
4.9	Likelihood of fire or shock due to entry of	(See Annex P)	N/A





Page 10 of 68 Report No.: SZAIS190619008-01

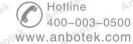
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek Aut	ote, Vunning Verk Vulgaria V	motek Anboten Anbo	700
- 44-	conductive object	And whole	V. D.
5	ELECTRICALLY-CAUSED INJURY	481.	P AT
5.2.1	Electrical energy source classifications	(See appended table 5.2)	boter P
5.2.2	ES1, ES2 and ES3 limits	sek Anbore And	anboteP
5.2.2.2	Steady-state voltage and current:	See appended table 5.2)	Blek
5.2.2.3	Capacitance limits	(See appended table 5.2)	P
5.2.2.4	Single pulse limits	(See appended table 5.2)	N/A
5.2.2.5	Limits for repetitive pulses:	(See appended table 5.2)	N/A
5.2.2.6	Ringing signals	(See Annex H)	N/A
5.2.2.7	Audio signals	(See Clause E.1)	N/A
5.3	Protection against electrical energy sources		Jp P
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons		PP
5.3.2.1	Accessibility to electrical energy sources and safeguards	Anbotek Anbotek Anbo	otek P
5.3.2.2	Contact requirements	ek Anbore And	N/A
Aupoter	a) Test with test probe from Annex V	Notek Anbores Anbo	N/A
Anbo	b) Electric strength test potential (V)	botek Anbotek Anbo	N/A
otek bi	c) Air gap (mm)	botek Anbotek Anbo	N/A
5.3.2.4	Terminals for connecting stripped wire	Anbotek Anbotek Anbo	N/A
5.4	Insulation materials and requirements	ek hotek Anbotek Anc	N/A
5.4.1.2	Properties of insulating material	ok notek Anbotek	N/A
5.4.1.3	Humidity conditioning:	(See sub-clause 5.4.8)	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4)	N/A
5.4.1.5	Pollution degree	anbotek Anbote And	
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	Anbotek Anbotek An	N/A
5.4.1.5.3	Thermal cycling	Augo tek abotek	N/A
5.4.1.6	Insulation in transformers with varying dimensions	anbotek Anbor All botek	N/A
5.4.1.7	Insulation in circuits generating starting pulses	Anbotek Anbout All notek	N/A
5.4.1.8	Determination of working voltage	Anbotek Anbote Anb	N/A
5.4.1.9	Insulating surfaces	V Vupoter, Vupote, Vup.	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	otek Anbotek Anbotek	N/A





Page 11 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek anb	Pres Autor Autorie A	tek abotek Anboy	P.,
5.4.1.10.2	Vicat softening temperature:	(See appended table 5.4.1.10.2)	N/A
5.4.1.10.3	Ball pressure	(See appended table 5.4.1.10.3)	N/A
5.4.2	Clearances	Anbo. A. abotek An	N/A
5.4.2.2	Determining clearance using peak working voltage	(See appended table 5.4.2.2)	N/A
5.4.2.3	Determining clearance using required withstand voltage	(See appended table 5.4.2.3)	N/A
otek a	a) a.c. mains transient voltage	Anbotek Anbotek Anbot	_
of ek	b) d.c. mains transient voltage:	Anbor Anborek Anbor	
Anbo	c) external circuit transient voltage	Anbor Atek ant	_
Anbotek	d) transient voltage determined by measurement		_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	(See appended table 5.4.2.4)	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	Mu Aupotek Aupo	N/A
5.4.3	Creepage distances	(See appended table 5.4.3)	N/A
5.4.3.1	General	ok notek Anboten	N/A
5.4.3.3	Material Group	ok hotek Anbotek	
5.4.4	Solid insulation	inbote Am notek Anbotek	N/A
5.4.4.2	Minimum distance through insulation	(See appended table 5.4.4.2)	N/A
5.4.4.3	Insulation compound forming solid insulation	Anbote And Anbrew	N/A
5.4.4.4	Solid insulation in semiconductor devices	K Aupoten Auto	N/A
5.4.4.5	Cemented joints	otek Anbore And wotek	N/A
5.4.4.6	Thin sheet material	abotek Anbotek Ann	N/A
5.4.4.6.1	General requirements	nbotek Anboten Ann	N/A
5.4.4.6.2	Separable thin sheet material	Anbotek Anboten Anbo	N/A
anbotek	Number of layers (pcs):	k abotek Anboten Ann	N/A
5.4.4.6.3	Non-separable thin sheet material	tek abotek Anboten A	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	(See appended Table 5.4.9)	N/A
5.4.4.6.5	Mandrel test	Anbotek Anbot An hotek	N/A
5.4.4.7	Solid insulation in wound components	Anbotek Anbote And	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	(See appended Table 5.4.4.9)	N/A
5.4.5	Antenna terminal insulation	Lok botek Anbote Ac	N/A





Page 12 of 68 Report No.: SZAIS190619008-01

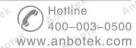
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek anb	otek Antion Ak botek Antionem A	no tek nbotek Anbore	P.O.
5.4.5.1	General	Anbotek Anbotek	N/A
5.4.5.2	Voltage surge test	Anbot Anbotek Anbot	N/A
Aupo	Insulation resistance (MΩ):	Anbou ak abotek An	_
5.4.6	Insulation of internal wire as part of supplementary safeguard:	(See appended table 5.4.4.2)	N/A
5.4.7 Anto	Tests for semiconductor components and for cemented joints	Anbotek Anbotek Anbotek	N/A
5.4.8	Humidity conditioning	Anbotek Anbo tek Abote	N/A
Aupolek	Relative humidity (%):	Anbotek Anbot An	_
Anbotek	Temperature (°C)		_
Anbotek	Duration (h):		_
5.4.9	Electric strength test:	(See appended table 5.4.9)	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	Ann otek Aupotek Aupo	N/A
5.4.10	Protection against transient voltages between external circuit	k Anbotek Anbotek Anb	N/A
5.4.10.1	Parts and circuits separated from external circuits	(See appended table 5.4.9)	N/A
5.4.10.2	Test methods	hotek Anbotek Anto	N/A
5.4.10.2.1	General Management Annual Annu	hotek Anbotek Anbo	N/A
5.4.10.2.2	Impulse test:	(See appended table 5.4.9)	N/A
5.4.10.2.3	Steady-state test:	(See appended table 5.4.9)	N/A
5.4.11	Insulation between external circuits and earthed circuitry:	(See appended table 5.4.9)	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	inbotek Anbotek Anbotek	N/A
5.4.11.2	Requirements	Anbor Anborek Anbore	N/A
upo tek	Rated operating voltage U _{op} (V):	Anbor Anborek Anbo	_
Auto	Nominal voltage U _{peak} (V):	Aupor Au	_
Anboy	Max increase due to variation U _{sp} :	tek Anbor Antek	_
Pupor	Max increase due to ageing ΔUsa:	abotek Anbott Anbotek	_
tek Yul	U _{op} = U _{peak} + Δ U _{sp} + ΔU _{sa} :	Anbotek Anbote Andrek	_
5.5	Components as safeguards	Anbotek Anbote, And	rek Ar
5.5.1	General	Anbotek Anbote Anti	N/A
5.5.2	Capacitors and RC units	tek upotek Vupore. Vi	N/A
5.5.2.1	General requirement	tok botek Anboton	N/A





Page 13 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek and	otes, Vuorek Vuorek Vuoren V	tek nboten Anbo	-0
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	(See appended table 5.5.2.2)	N/A
5.5.3	Transformers	(See Annex G.5.3)	N/A
5.5.4	Optocouplers	(See sub-clause 5.4 or Annex G.12)	N/A
5.5.5 kmbotel	Relays	(See Annex G.2)	N/A
5.5.6 Amb	Resistors	(See Annex G.10)	N/A
5.5.7	SPD's Andrew Andrew	(See Annex G.8)	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	Anbotek Anbotek Anbote	N/A
5.5.7.2	Use of an SPD between mains and protective earth	Ann tok an	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable:	(See Annex G.10.3)	N/A
5.6	Protective conductor		N/A
5.6.2	Requirement for protective conductors	An K notek Anbo.	N/A
5.6.2.1	General requirements	Anboten Anbo	N/A
5.6.2.2	Colour of insulation	ek Anboren Anbo otek	N/A
5.6.3	Requirement for protective earthing conductors	Jotek Anbores Anbo	N/A
Anbo	Protective earthing conductor size (mm²):	abotek Anboten Anbotek	_
5.6.4	Requirement for protective bonding conductors	abotek Anboten Anbo	N/A
5.6.4.1	Protective bonding conductors	Anbotek Anbotes Anbo	N/A
nbotek	Protective bonding conductor size (mm²)	k abotek Anboten Anb	_
nbotek	Protective current rating (A):	tek spotek Aupotes A	_
5.6.4.3	Current limiting and overcurrent protective devices	nbotek Anbotek Anbotek	N/A
5.6.5	Terminals for protective conductors	Anbotek Anbots All botek	N/A
5.6.5.1	Requirement	Aupotek Aupo, W.	N/A
Anbotek	Conductor size (mm²), nominal thread diameter (mm)	Anbotek Anbotek An	N/A
5.6.5.2	Corrosion	oter And otek anbotek	N/A
5.6.6	Resistance of the protective system	hooten Anboutek anbotek	N/A
5.6.6.1	Requirements	Anbotek Anbotek	N/A
5.6.6.2	Test Method Resistance (Ω):	(See appended table 5.6.6.2)	N/A
5.6.7	Reliable earthing	Aupotek Aupor Au	N/A
5.7 Anbotok	Prospective touch voltage, touch current and prote	ective conductor current	N/A

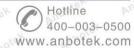




Page 14 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek anb	otek Anboren Ar hotek Anboren A	tek photek Anbout	P.O.
5.7.2	Measuring devices and networks	Anbotek Anbotek	N/A
5.7.2.1	Measurement of touch current:	(See appended table 5.7.4)	N/A
5.7.2.2	Measurement of prospective touch voltage	Anbor An botek An	N/A
5.7.3	Equipment set-up, supply connections and earth connections	otek Anbotek Anbotek	N/A
ek Aup.	System of interconnected equipment (separate connections/single connection)	Anbotek Anbotek Anbotek	_
pote ^k A	Multiple connections to mains (one connection at a time/simultaneous connections):	Anbotek Anbotek Anbote	_
5.7.4	Earthed conductive accessible parts:	(See appended Table 5.7.4)	N/A
5.7.5	Protective conductor current		N/A
Nr. Pres	Supply Voltage (V):		_
r bu	Measured current (mA):		
ore, v	Instructional Safeguard:	(See F.4 and F.5)	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	k hotek Anbotek Anb	N/A
5.7.6.1	Touch current from coaxial cables	ok notek Anboten	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	nbotek Anbotek Anbotek	N/A
5.7.7	Summation of touch currents from external circuits	Anbotek Anbotek Anbotel	N/A
Anbotek	a) Equipment with earthed external circuits Measured current (mA)	k Anbotek Anbotek Anb	N/A
Anbotek	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):	otek Anbotek Anbotek	N/A

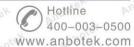
6	ELECTRICALLY- CAUSED FIRE		PAnbote
6.2	Classification of power sources (PS) and potential ig	gnition sources (PIS)	otek P Anh
6.2.2	Power source circuit classifications	k anbotek Anbote Ano	wote*P
6.2.2.1	General Annotes	rek abotek Anbote A	P/-
6.2.2.2	Power measurement for worst-case load fault:	(See appended table 6.2.2)	Ann Potek
6.2.2.3	Power measurement for worst-case power source fault:	(See appended table 6.2.2)	Anb P Anbote
6.2.2.4	PS1	(See appended table 6.2.2)	cek P Anb
6.2.2.5	PS2:	h nbotek Anbott Am	N/A
6.2.2.6	PS3	tek abotek Aubore. A	N/A
6.2.3	Classification of potential ignition sources	ok botek Anbote	And Prek





Page 15 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek anb	otes Andrew Andrew Andrew A	tek abotek Antion	P23,
6.2.3.1	Arcing PIS:	Anbotek Anbotek	N/A
6.2.3.2	Resistive PIS	Anbor All hotek Anbor	P Pr
6.3	Safeguards against fire under normal operating and	abnormal operating conditions	poter P
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)	Anbotek P Anbotek
6.3.1 (b)	Combustible materials outside fire enclosure	V-0 enclosure and PCB used	Pipo
6.4	Safeguards against fire under single fault conditions	Anbotek Anbo. Ak Abor	ek Par
6.4.1	Safeguard Method	Control of fire spread	otek P
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	V-0 enclosure and PCB used	nboto P
6.4.3.1	General		N/A
6.4.3.2	Supplementary Safeguards	And otek Anbotek Anbo	N/A
Anbotek Anbotek	Special conditions if conductors on printed boards are opened or peeled	k Anbotek Anbotek Anh	N/A
6.4.3.3	Single Fault Conditions:	(See appended table 6.4.3)	N/A
k Aupo	Special conditions for temperature limited by fuse	hotek Anboles Anb	N/A
6.4.4	Control of fire spread in PS1 circuits	hotek Anbotek Anbo	Р
6.4.5	Control of fire spread in PS2 circuits	Anbotek Anbotek Anbot	N/A
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2 and Annex G)	nbote ^l P
6.4.6	Control of fire spread in PS3 circuit	otek Anbout k Anto-otek	anb Pok
6.4.7	Separation of combustible materials from a PIS	abotek Anboten Anbo	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	All Anbotek Anbotek	N/A
6.4.7.3	Separation by a fire barrier	K botek Anbotek Anb	N/A
6.4.8	Fire enclosures and fire barriers	rek abotek Anboten A	'Br
6.4.8.1	Fire enclosure and fire barrier material properties	V-0	P. P. te
6.4.8.2.1	Requirements for a fire barrier	upote Aur Hotek Aupotek	N/A
6.4.8.2.2	Requirements for a fire enclosure	Anbote And Lotek Anbotek	Pints
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	Anbotek Anbotek Anbo	rek P
6.4.8.3.1	Fire enclosure and fire barrier openings	tek abotek Anboten A	P
6.4.8.3.2	Fire barrier dimensions	k notek napotek	N/A





Page 16 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
tek cup	otes Ant K hotek Anbott A	rek abotek Anbo	P. Mel
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)	Anbotek Anbotek Anbotek	N/A
Anbotek	Needle Flame test	Anbotek Anbote Anb	N/A
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm):	lek Anbotek Anbotek An	N/A
ek Anb	Flammability tests for the bottom of a fire enclosure	botek Anbotek Anbotek	N/A
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):	Anbotek Anbotek Anbot	N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	V-0 Anbores Anni	otek P A
6.5	Internal and external wiring		Pek
6.5.1	Requirements		P rek
6.5.2	Cross-sectional area (mm²)		_
6.5.3	Requirements for interconnection to building wiring	Ant Anbotek Anbo-	N/A
6.6	Safeguards against fire due to connection to additional equipment	k Anbotek Anbotek An	_{inbote} Þ
ik Anbo	External port limited to PS2 or complies with Clause Q.1	otek Anbotek Anbotek	Anbotek P

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	
7.2 00 tex	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A
7.4	Use of personal safeguards (PPE)	N/A
* 6 K	Personal safeguards and instructions:	
7.5	Use of instructional safeguards and instructions	N/A
Anbor	Instructional safeguard (ISO 7010)	Ambr —
7.6	Batteries (See Annex M)	N/A

8	MECHANICALLY-CAUSED INJURY		Potek
8.1	General	Enclosure is smooth and no mechanical energy sources	Panbote
8.2	Mechanical energy source classifications	MS1	P Am
8.3	Safeguards against mechanical energy sources	Anbo Lak shotek A	N/A
8.4	Safeguards against parts with sharp edges and corners	notek Anbotek Anbotek	N/A

Shenzhen Anbotek Compliance Laboratory Limited

Hotline 400-003-0500 www.anbotek.com



Page 17 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
cek palo	ote And tek abotek Anbot k	notek Anboten Anbo	loga
8.4.1	Safeguards	And tek mootek Anbore	N/A
8.5	Safeguards against moving parts	Anbo hek abotek Anbo	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	ek Anbotek Anbotek An	N/A
8.5.2	Instructional Safeguard::	otek anbotek Anbot	_
8.5.4	Special categories of equipment comprising moving parts	Anbotek Anbotek Anbotek	N/A
8.5.4.1	Large data storage equipment	Anboten Anbo tek abot	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	Aupotek Yupa	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	(See Annex F.4 and Annex K)	N/A
8.5.4.2.2	Instructional safeguards against moving parts		N/A
r buy	Instructional Safeguard		_
8.5.4.2.3	Disconnection from the supply	Any stek subo	N/A
8.5.4.2.4	Probe type and force (N):	Anbotek Anbo stek an	N/A
8.5.5	High Pressure Lamps	3K Aupotek Aupo	N/A
8.5.5.1	Energy Source Classification	notek Anbores Anbo	N/A
8.5.5.2	High Pressure Lamp Explosion Test	(See appended table 8.5.5.2)	N/A
8.6	Stability	notek Anbotek Anbo	N/A
8.6.1	Product classification	Pupper Pupoter Vipor	N/A
botek	Instructional Safeguard	k hotek Anbotek Anb	_
8.6.2	Static stability	ak notek Anbotek	N/A
8.6.2.2	Static stability test	Tore Aug Potek Wypotek	N/A
PU.	Applied Force	Anbote And Motek Anbotek	_
8.6.2.3	Downward Force Test	Anbote Anbotek Anbote	N/A
8.6.3	Relocation stability test	Anbote Anb notek Anb	N/A
Anbor	Unit configuration during 10° tilt:	ak Aupore K Pun Potek P	_
8.6.4	Glass slide test	otek Anbotes And botek	N/A
8.6.5	Horizontal force test (Applied Force)	nbotek Anbote Anountek	N/A
YER AU	Position of feet or movable parts	anbotek Anbotes Anb	_
8.7	Equipment mounted to wall or ceiling	anbotek Anboten Anbo	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	Aupotek Aupotek Ving	N/A
8.7.2	Direction and applied force	ster. Aupor All Jek	N/A





Page 18 of 68 Report No.: SZAIS190619008-01

Anbotek	IEC 62368-1	stek Anbotek Anbot Al	hotek
Clause	Requirement + Test	Result - Remark	Verdict
tek eup	otek Anbotek Anbotek Anbotek	tek abotek Anbote	-01
8.8	Handles strength	Anbotek Anbotek	N/A
8.8.1	Classification	Anbos Anbotek Anbot	N/A
8.8.2	Applied Force	Anbo. An abotek An	N/A
8.9	Wheels or casters attachment requirements	lek Aupor All potek	N/A
8.9.1	Classification	botek Anbour Anbotek	N/A
8.9.2	Applied force	Anbotek Anbote Am botek	
8.10	Carts, stands and similar carriers	Aupotek Aupon Au	N/A
8.10.1	General	Anbotek Anbote An	N/A
8.10.2	Marking and instructions		N/A
Anbotek	Instructional Safeguard:		
8.10.3	Cart, stand or carrier loading test and compliance		N/A
otek ar	Applied force:		_
8.10.4	Cart, stand or carrier impact test	And otek anbotek Anbo	N/A
8.10.5	Mechanical stability	Anbo otek anbotek Anti	N/A
Pun Potek	Applied horizontal force (N)	Anb. stek anbotek	
8.10.6	Thermoplastic temperature stability (°C)	otek Anbotek	N/A
8.11	Mounting means for rack mounted equipment	Anbotek Anbotek	N/A
8.11.1	General	Anbotek Anbotek abote	N/A
8.11.2	Product Classification	Aupotek Aupo tek up	N/A
8.11.3	Mechanical strength test, variable N	K Anbotek Anbo An	N/A
8.11.4	Mechanical strength test 250N, including end stops	otek Aupotek Vupor	N/A
8.12	Telescoping or rod antennas	(See Annex T)	N/A
otek an	Button/Ball diameter (mm)	and stek Anbotek Anbote	V21

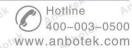
9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications	Classified as TS1	Р
9.3	Safeguard against thermal energy sources		N/A
9.4	Requirements for safeguards		N/A
9.4.1	Equipment safeguard		N/A
9.4.2	Instructional safeguard:		N/A

	10	RADIATION	N/A
--	----	-----------	-----



Page 19 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
sk sup	ree Ann Anbour A	tek abotek Anbo	P.,
10.2	Radiation energy source classification	Anbotek Anbotek	N/A
10.2.1	General classification	Anboy A. Anboy	N/A
10.3	Protection against laser radiation	Anbo. An abotek An	N/A
Anbo	Laser radiation that exists equipment:	lek Yupo, W. Potek	_
Anbo	Normal, abnormal, single-fault:	(See attached laser test report)	N/A
Aupo	Instructional safeguard	Anbotek Anbot Anbotek	_
losek by	Tool	Anbotek Anbot An	_
10.4	Protection against visible, infrared, and UV radiation	Anbotek Anbot An	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
botek Ar	Personal safeguard (PPE) instructional safeguard	An-	_
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	k hotek Anbotek Ant	N/A
10.4.1.d)	Normal, abnormal, single-fault conditions:	(See appended table B.3 & B.4)	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque	totek Anbotek Anbotek	N/A
10.4.1.f)	UV attenuation	Potek Aupoter Aup	N/A
10.4.1.g)	Materials resistant to degradation UV:	hotek Anbotek Anb	N/A
10.4.1.h)	Enclosure containment of optical radiation:	k hotek Anbotek Ant	N/A
10.4.1.i)	Exempt Group under normal operating conditions:	otek Anbotek Anbotek	N/A
10.4.2	Instructional safeguard	abotek Anbote And notek	N/A
10.5	Protection against x-radiation	nbotek Anbote And	N/A
0.5.1	X- radiation energy source that exists equipment:	(See appended table B.3 & B.4)	N/A
Anbotek	Normal, abnormal, single fault conditions	k Vaporek Vupores. Vup	N/A
Anbotek	Equipment safeguards	tek hotek Anboter h	N/A
Anbote	Instructional safeguard for skilled person:	stek abotek Anboten	N/A
0.5.3	Most unfavourable supply voltage to give maximum radiation:	Anbotek Anbotek Anbotek	
bote _k	Abnormal and single-fault condition:	(See appended table B.3 & B.4)	N/A
Anborek	Maximum radiation (pA/kg):	Anbotek Anbot Ant	N/A
0.6	Protection against acoustic energy sources	Lok botek Anbote A	N/A

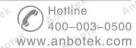




Page 20 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek anb	otes, Vunnin Victor Vunnin V	tek abotek Ando	, oV
10.6.1	General	Anbotek Anbotek	N/A
10.6.2	Classification	Anbos As abotek Anbos	N/A
Anboatek	Acoustic output, dB(A):	Anbos As abotek An	N/A
Anboatel	Output voltage, unweighted r.m.s:	ek Anbor An abotek	N/A
10.6.4	Protection of persons	botek Anbos As abotek	N/A
Anb.	Instructional safeguards	Anbotek Anbos ek abotek	N/A
potek A	Equipment safeguard prevent ordinary person to RS2:	Anbotek Anbotek Anbot	_
Anbotek	Means to actively inform user of increase sound pressure	AUD " "YOK "U	_
Anbote.	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	Anbotek Anbotek Ant	N/A
Anbotek	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output:	otek Anborek Anborek	_
10.6.5.2	Corded listening devices with digital input	rek abotek Anbote	N/A
otek or	Maximum dB(A):	Anbores Anbores	_
10.6.5.3	Cordless listening device	Aupor Aupotek Aupote	N/A
'upo,	Maximum dB(A):	Anbor An	_

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		Anb P
B.2	Normal Operating Conditions	Yun tek upotek Yuporg	P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	otek Pant
Anbotek	Audio Amplifiers and equipment with audio amplifiers:	(See Annex E)	nbotekP
B.2.3	Supply voltage and tolerances	potes And tek nbotek	Aupole K
B.2.5	Input test:	(See appended table B.2.5)	M.b.
B.3	Simulated abnormal operating conditions	Anbotel Anbo ak botel	Ranbotte
B.3.1	General requirements:	(See appended table B.3)	tek P Ant
B.3.2	Covering of ventilation openings	k abotek Anbote Am	-otekP
B.3.3	D.C. mains polarity test	tek abotek Anbotek A	N/A
B.3.4	Setting of voltage selector:	ak sotek Anborek	N/A





Page 21 of 68 Report No.: SZAIS190619008-01

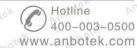
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
cek anb	otes Anson Ak botek Anbote A	tek abotek Antion	b21.
B.3.5	Maximum load at output terminals:	Anbote Anbote	N/A
B.3.6	Reverse battery polarity	Anbot All hotek Anbot	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	ek Anbotek Anbotek An	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	botek Anbotek Anbotek	Anbotek
B.4	Simulated single fault conditions	Anbotek Anbot Ak botek	Phot
B.4.2	Temperature controlling device open or short-circuited:	(See appended table B.4)	N/A
B.4.3	Motor tests	And wek and	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	(See Clause G.5)	N/A
B.4.4	Short circuit of functional insulation		Pnote
B.4.4.1	Short circuit of clearances for functional insulation		Р
B.4.4.2	Short circuit of creepage distances for functional insulation	Anbotek Anbotek Anbo	otek P
B.4.4.3	Short circuit of functional insulation on coated printed boards	k Anbotek Anbotek	inbote b
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	Anbotek Anbotek Anbotek	Anbote Anbote
B.4.6	Short circuit or disconnect of passive components	abotek Anbot Am	e Pant
B.4.7	Continuous operation of components	abotek Anbote And	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	k Anbotek Anbotek Anbotek	nbote*P
B.4.9	Battery charging under single fault conditions:	(See Annex M)	N/A
C	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV radiation	Anbotek Anbotek Anbotel	N/A
C.1.2	Requirements	Anbo tek abotek Anb	N/A
C.1.3	Test method	Anto Al botek A	N/A
C.2	UV light conditioning test	olek Vupor VIII	N/A
C.2.1	Test apparatus	hbotek Anton An botek	N/A
C.2.2	Mounting of test samples	Anborek Anbore Ant	N/A
C.2.3	Carbon-arc light-exposure apparatus	Anbotek Antore Ano	N/A
Yo.	The state of the s	K "Ofe, VUD.	. 4//





	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
cek and	otek Anbote Ak hotek Anboten A	tek spotek Anbote	Pur not
D	TEST GENERATORS		N/A
D.1	Impulse test generators	Anbo. A. botek Anbol	N/A
D.2	Antenna interface test generator	Anbore An notek An	N/A
D.3	Electronic pulse generator	lek Aupore Aur Hotek	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	IING AUDIO AMPLIFIERS	AntPrek
É.1 A ^{nb}	Audio amplifier normal operating conditions	abotek Anbor Air otek	Papot
potek P	Audio signal voltage (V):	abotek Anboros Anb	_
abotek	Rated load impedance (Ω):	Anbotek Anboten Anbe	
E.2	Audio amplifier abnormal operating conditions	M	P
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	Pek
F.1	General requirements		P
-K Du	Instructions – Language	English	_
F.2	Letter symbols and graphical symbols	Yun stek rupo.	PAnh
F.2.1	Letter symbols according to IEC60027-1	Anbotes Anti-	ote ^k P 1
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	k Anbotek Anbotek	unbote P
F.3	Equipment markings	hore Ann hotek Anbotek	Vup.b
F.3.1	Equipment marking locations	Anboto Ano otek Anbotek	PPOOL
F.3.2	Equipment identification markings	Anbotel And otek anbote	PAnb
F.3.2.1	Manufacturer identification	Weiguo Solutions Ltd	_
F.3.2.2	Model identification	1031-002	_
F.3.3	Equipment rating markings	otek Anbotek Anbo	, bo Pek
F.3.3.1	Equipment with direct connection to mains	otek Anbotek Anbo	N/A
F.3.3.2	Equipment without direct connection to mains	into tek upotek Anbote	P
F.3.3.3	Nature of supply voltage:	used	_
F.3.3.4	Rated voltage	5V Andrew Andrew Andrew	_
F.3.3.4	Rated frequency	Aupon Pr. Polek P	_
F.3.3.6	Rated current or rated power:	1A Aribo	_
F.3.3.7	Equipment with multiple supply connections	hotek Anbore And hotek	N/A
F.3.4	Voltage setting device	anbotek Anbote And notek	N/A
F.3.5	Terminals and operating devices	Anbotek Anbote Anb	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	Anbotek Anbotek Anbo	N/A
F.3.5.2	Switch position identification marking	orek Auror K Totek	N/A

Shenzhen Anbotek Compliance Laboratory Limited





Page 23 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek anbo	Ster Ann ak botek Anhor A	tek abote And	, no
F.3.5.3	Replacement fuse identification and rating markings:	Anbotek Anbotek Anbotek	N/A
3.5.4	Replacement battery identification marking:	nbotek Anbote An	N/A
F.3.5.5	Terminal marking location	ek nbotek Anbore k	N/A
3.6 _{MNDO¹⁰¹}	Equipment markings related to equipment classification	botek Anbotek Anbotek	N/A
F.3.6.1	Class I Equipment	Anbotek Anbo Lek abotek	N/A
F.3.6.1.1	Protective earthing conductor terminal	Anbotek Anbot An	N/A
F.3.6.1.2	Neutral conductor terminal	Anbotek Anbot An	N/A
F.3.6.1.3	Protective bonding conductor terminals	1 10	N/A
F.3.6.2	Class II equipment (IEC60417-5172)		N/A
F.3.6.2.1	Class II equipment with or without functional earth		N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	An K Totek Anbo.	N/A
F.3.7	Equipment IP rating marking:	Anbote Anti-otek anti	_
F.3.8	External power supply output marking	ak Anbote And Otek	nbote P
F.3.9 (1)	Durability, legibility and permanence of marking	otek Anbote, Anbotek	Pok Pok
=.3.10 Mari	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.	Anbote Anbote
=.4	Instructions	Anbo tek abotek Anb	P
Anbotek	a) Equipment for use in locations where children not likely to be present - marking	otek Anbotek Anbotek	N/A
Anbott	b) Instructions given for installation or initial use	otek Anbotek Anbo	N/A
itek Ant	c) Equipment intended to be fastened in place	run otek Vupotek Vupor	N/A
nbotek	d) Equipment intended for use only in restricted access area	Anbotek Anbotek Anbo	N/A
Anbotek	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	otek Anbotek Anbotek A	N/A
Anbox	f) Protective earthing employed as safeguard	upotek Aupote Aur Lotek	N/A
tek Anb	g) Protective earthing conductor current exceeding ES 2 limits	Anbotek Anbotek Anbotek	N/A
in stek	h) Symbols used on equipment	Anbo tek abotek Anbo	N/A
Anbotek	i) Permanently connected equipment not provided with all-pole mains switch	Anbotek Anbotek Ar	N/A





Page 24 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek pab	ote And otek Apotek Anbot A	notek anboten Anbo	700
) potek	j) Replaceable components or modules providing safeguard function	And Anbotek Anbotek Anbote	N/A
5 otel	Instructional safeguards	Anbotek Anbot Ali	N/A
Anbotel Anbotel	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	lek Anbotek Anbotek Anbotek	N/A
G	COMPONENTS		Pool
G.1	Switches Manager Manag	Annotek Anbotek Anbo	N/A
G.1.1	General requirements	Anbotek Anbotek Anbo	N/A
G.1.2	Ratings, endurance, spacing, maximum load	Anno atek an	N/A
G.2	Relays And And		N/A
G.2.1	General requirements		N/A
G.2.2	Overload test		N/A
G.2.3	Relay controlling connectors supply power	Any tek anbo.	N/A
G.2.4	Mains relay, modified as stated in G.2	Anboten Anbo otek Anto	N/A
G.3 ^{nbote}	Protection Devices	ek Anborek Anbo	N/A
G.3.1	Thermal cut-offs	otek Anbores Anbo	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	Anbotek Anbotek Anbotek	N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	Anbotek Anbotek Anbote	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	Anbotek Anbotek	N/A
G.3.2	Thermal links	botek Anbo stek anbotek	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	inpoter Anboutek	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	Anbotek Anbo tek abote	N/A
nbote	Aging hours (H):	Aupotek Aupo tek up	_
Anbote	Single Fault Condition:	Anbotek Anbo tek	_
Anboten	Test Voltage (V) and Insulation Resistance (Ω). :	otek Anbotek Anbo	_
3.3.3 _{Anbot}	PTC Thermistors	notek Anbotek Anbo	N/A
3.3.4	Overcurrent protection devices	hotek Anbotek Anbo	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	Anbotek Anbotek Anb	N/A
G.3.5.2	Single faults conditions:	(See appended Table B.4)	N/A





Page 25 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
tek Pup	oter And otek Andotek Andor A	hotek Anboten Anbo	Vode.
G.4	Connectors	Anborrantek Anborra	N/A
G.4.1	Spacings	Anbotek Anbotek	N/A
G.4.2	Mains connector configuration:	Anbo rek abotek An	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	ek Anbotek Anbotek	N/A
G.5	Wound Components	no dek Anbotek Anbote	N/A
G.5.1	Wire insulation in wound components	(See Annex J)	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	Anbotek Anbotek Anbot	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
hotek	Time (s):	An Anbotek Anbotek	
hotek	Temperature (°C):	k wotek anbotek Ant	_
G.5.2.3	Wound Components supplied by mains	K Ann otek Anbotek	N/A
G.5.3	Transformers	pore K notek Anbotek	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	Anbotek Ambotek Anbotek	N/A
abotek	Position:	Anbotek Anbote Anb	_
nbotek	Method of protection	k spotek Aupote, Aug	_
G.5.3.2	Insulation	Lak botek Anboten A	N/A
k spot	Protection from displacement of windings:	or Auporek Auporek	_
G.5.3.3	Overload test	(See appended table B.3)	N/A
G.5.3.3.1	Test conditions	Anbote Anbotek Anbote	N/A
G.5.3.3.2	Winding Temperatures testing in the unit	Anbore Anb	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	Anboth Andrek A	N/A
G.5.4	Motors Andrew Andrew	otek Anbote Ant hotek	N/A
G.5.4.1	General requirements	abotek Anbote And notek	N/A
otek Ant	Position:	upotek Anbore. Anb	_
G.5.4.2	Test conditions	Anbotek Anbotes Ano	N/A
G.5.4.3	Running overload test	Anbotek Anboten Anbo	N/A
G.5.4.4	Locked-rotor overload test	tek abotek Anboter A	N/A
14.	Test duration (days):	Tek upolok	700





Page 26 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek cat	Auto ok Potek Vupos V	tek abotek Anbot	b2.
G.5.4.5	Running overload test for d.c. motors in secondary circuits	Anbotek Anbotek Anbotek	N/A
G.5.4.5.2	Tested in the unit	abotek Anbote Am	N/A
Anbotek	Electric strength test (V)	ek anbotek Anbote An	_
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)	botek Anbotek Anbotek	N/A
Ann	Electric strength test (V)	Anboten Anbo tek abotek	_
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	Anbotek Anbotek Anbot	N/A
G.5.4.6.2	Tested in the unit	And stek an	N/A
Am	Maximum Temperature		N/A
K Music	Electric strength test (V)		N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h):		N/A
abotek	Electric strength test (V)	And Motek Anbotek Anbo	N/A
G.5.4.7	Motors with capacitors	k hotek Anbotek Ant	N/A
G.5.4.8	Three-phase motors	ok notek Anboten	N/A
G.5.4.9	Series motors	Joseph Anbotek	N/A
10K	Operating voltage	Anbot Anboten	_
G.6	Wire Insulation	Anbott Anbote	N/A
G.6.1	General	Anbotes Anb	N/A
G.6.2	Solvent-based enamel wiring insulation	k Anbose An Notek	N/A
G.7 Anboto	Mains supply cords	otek Anbote Anbotek	N/A
G.7.1	General requirements	nbotek Anbote Ant notek	N/A
otek Ar	Туре	anbotek Anbote And botel	
nbotek	Rated current (A)	anbotek Anbote Anti	_
Anbotek	Cross-sectional area (mm²), (AWG):	k upotek Vupoten Vun	
G.7.2	Compliance and test method	rek nbotek Anbote k	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	mbotek Anbotek Anbotek	N/A
G.7.3.2	Cord strain relief	Anbotek Anbot Anbotek	N/A
G.7.3.2.1	Requirements	Anbotek Anbox An	N/A
Anbotek	Strain relief test force (N)	Anbotek Anbote Ant	_
G.7.3.2.2	Strain relief mechanism failure	tek upotek Aupore K	N/A
Dr. A.			





Page 27 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek sah	otek Anborak Anborak	tek abotek Anbate	P.0.
G.7.3.2.4	Strain relief comprised of polymeric material	Anbo tek abotek Anbote	N/A
G.7.4	Cord Entry:	(See appended table 5.4.11.1)	N/A
G.7.5	Non-detachable cord bend protection	Anbo sek abotek An	N/A
G.7.5.1	Requirements	Jek Anbo. A. botek	N/A
G.7.5.2	Mass (g)	abotek Anbos sek abotek	_
Su Vup	Diameter (m)	Anbotek Anbot Anbotek	_
orek b	Temperature (°C)	Anbotek Anbot An hot	_
G.7.6	Supply wiring space	Anbotek Anbot An	N/A
G.7.6.2	Stranded wire		N/A
G.7.6.2.1	Test with 8 mm strand		N/A
G.8 _{km} b	Varistors	•	N/A
G.8.1	General requirements		N/A
G.8.2	Safeguard against shock	Ann atek Anbotek Anbot	N/A
G.8.3	Safeguard against fire	Anboatek anbotek Ant	N/A
G.8.3.2	Varistor overload test:	(See appended table B.3)	N/A
G.8.3.3	Temporary overvoltage	(See appended table B.3)	N/A
G.9	Integrated Circuit (IC) Current Limiters	Anbotes Anbotek	N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	Anborek Anbor atek anbore	N/A
G.9.1 b)	Limiters do not have manual operator or reset	Anbotes Anb	N/A
G.9.1 c)	Supply source does not exceed 250 VA	ok Aupoles Aupolesk Aupolesk	_
G.9.1 d)	IC limiter output current (max. 5A)	otek Anbotek Anbotek	_
G.9.1 e)	Manufacturers' defined drift:	hotek Anbotek Anbo	_
G.9.2	Test Program 1	hotek Anbotek Anbo	N/A
G.9.3	Test Program 2	Anbotek Anbotek Anbo	N/A
G.9.4	Test Program 3	k hotek Anbotek Anb	N/A
G.10	Resistors	And hotek Anbotek A	N/A
G.10.1	General requirements	opte And botek Anbotek	N/A
G.10.2	Resistor test	Anbotek Anbotek	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	Anbotek Anbotek Anbotek	N/A
G.10.3.1	General requirements	Anbou An botek A	N/A
G.10.3.2	Voltage surge test	Nek Anbote Ann Atek	N/A





Page 28 of 68 Report No.: SZAIS190619008-01

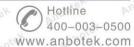
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek pab	otes And ok Motek Andon A	tek hoten Anbo	
G.10.3.3	Impulse test	Anbotek Anbotek	N/A
3.11	Capacitor and RC units	Anbo Anbotek Anbo	N/A
G.11.1	General requirements	Anbo tek abotek A	N/A
G.11.2	Conditioning of capacitors and RC units	ek Anbo. Al botek	N/A
G.11.3	Rules for selecting capacitors	botek Anbor Ak abotek	N/A
G.12	Optocouplers **	Anbotek Anbote Anbotek	N/A
Anbotek A	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	Anbotek Anbotek Anbo	N/A
Anbore	Type test voltage Vini:		_
Anboten	Routine test voltage, Vini,b:		_
3.13 probo	Printed boards		Poot
G.13.1	General requirements		Р
G.13.2	Uncoated printed boards	And Anbotek Anbo	P P
G.13.3	Coated printed boards	K And Lotek Anbotek An	N/A
G.13.4	Insulation between conductors on the same inner surface	otek Anbotek Anbotek	N/A
r Anbo	Compliance with cemented joint requirements (Specify construction):	Anbotek Anbotek Anbotek	_
G.13.5	Insulation between conductors on different surfaces	Anbotek Anbotek Anbot	N/A
Anbotek	Distance through insulation	(See appended table 5.4.4.5)	N/A
Anbotek	Number of insulation layers (pcs):	otek Anbotek Anbot	<u> </u>
G.13.6	Tests on coated printed boards	stek anbotek Anbou	N/A
G.13.6.1	Sample preparation and preliminary inspection	inpo tek upotek Aupote	N/A
G.13.6.2a)	Thermal conditioning	Anbotek Anbotek	N/A
G.13.6.2b)	Electric strength test	Anbo stek abotek Ant	N/A
G.13.6.2c)	Abrasion resistance test	Ann. Ark spotek	N/A
G.14	Coating on components terminals	sofer Anio tek spotek	N/A
G.14.1	Requirements:	(See G.13)	N/A
G.15	Liquid filled components	Anbotek Antions All bote	N/A
G.15.1	General requirements	Anbotek Anborr An	N/A
G.15.2	Requirements	Anbotek Anbote Ank	N/A
G.15.3	Compliance and test methods	ok hotek Anbote	N/A





Page 29 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
cek and	ote, Vupor V	tek abotes And	P-1
G.15.3.1	Hydrostatic pressure test	And tek abotek Anbote	N/A
G.15.3.2	Creep resistance test	Anbox A. abotek Anbot	N/A
G.15.3.3	Tubing and fittings compatibility test	Anbo. tek abotek An	N/A
G.15.3.4	Vibration test	lek Anbor An abotek	N/A
G.15.3.5	Thermal cycling test	botek Anbour Anbotek	N/A
G.15.3.6	Force test	Anbotek Anbot Anbotek	N/A
G.15.4	Compliance	Anbotek Anbos Lek Abot	N/A
G.16	IC including capacitor discharge function (ICX)	Anbotek Anbot An	N/A
a) Noore	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	Mun -k hotek Mupo.	N/A
C2)	Test voltage:	Anbote Ant botek Ant	
D1) Anbotok	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	botek Anbotek Anbotek	N/A
D2)	Capacitance ::::::::::::::::::::::::::::::::::::	Anbotek Anbot All abotek	_
D3)	Resistance ::	Anbotek Anbo. An hote	_
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS	5	N/A
H.1 _{nb} oten	General	k abotek Aubor K	N/A
H.2 Anbotek	Method A	rek abotek Anboten A	N/A
H.3	Method B	tek abotek Aupotes	N/A
H.3.1	Ringing signal	Tupos W. Sporek Wuposen	N/A
H.3.1.1	Frequency (Hz)	Alino, Viek Protek Vibore	_
H.3.1.2	Voltage (V)	Aupor Ali upotek Aup	_
H.3.1.3	Cadence; time (s) and voltage (V)	Vupor VIII	_
H.3.1.4	Single fault current (mA)::	otek Vupor Vu	_
H.3.2	Tripping device and monitoring voltage	abotek Anbor Anstek	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	Anbotek Anbotek Anbotek	N/A
H.3.2.2	Tripping device	And Lotek Anbotek Anbe	N/A
H.3.2.3	Monitoring voltage (V)	And tak Hotek At	

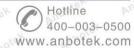




Page 30 of 68 Report No.: SZAIS190619008-01

Anbotek	Aupore	Anthotek	IEC 62	368-1	Anbotek	Anbotes	Vun	ootek
Clause	Anboatel	Requirement	+ Test	And	Result -	Remark	E Bri	Verdict

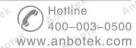
J	INSULATED WINDING WIRES FOR USE WITHO	OUT INTERLEAVED INSULATION	N/A
o tek	General requirements	(See separate test report)	N/A
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
K.2	Components of safety interlock safeguard mechanism	(See Annex G)	N/A
K.3	Inadvertent change of operating mode		N/A
K.4	Interlock safeguard override		N/A
K.5	Fail-safe		N/A
	Compliance	(See appended table B.4)	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	(See appended table 5.4.11)	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements		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 TI	HEIR PROTECTION CIRCUITS	Р
M.1	General requirements		Р
M.2	Safety of batteries and their cells		Р
M.2.1	Requirements		Р
M.2.2	Compliance and test method (identify method):		N/A





Page 31 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ek no	otes. Aug week Whoos V	tek boten Anbo	P
M.3	Protection circuits		Р
M.3.1	Requirements		N/A
M.3.2	Tests		N/A
	- Overcharging of a rechargeable battery	(See append table Annex M)	Р
	- Unintentional charging of a non-rechargeable battery		N/A
	- Reverse charging of a rechargeable battery	(See append table Annex M)	N/A
	- Excessive discharging rate for any battery	(See append table Annex M)	N/A
M.3.3	Compliance	(See appended Tables and Annex M and M.4)	N/A
M.4	Additional safeguards for equipment containing secondary lithium battery		Р
M.4.1	General		Р
M.4.2	Charging safeguards		Р
M.4.2.1	Charging operating limits		Р
M.4.2.2a)	Charging voltage, current and temperature:	(See Table M.4)	
M.4.2.2 b)	Single faults in charging circuitry	(See Annex B.4)	_
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		Р
M.4.4.5	Result of charge-discharge cycle test		Р
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		Р
M.6.1	Short circuits		N/A
M.6.1.1	General requirements		N/A





Page 32 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdic
iek nap	otes. Aug of W Potek Pupor V	tek boten And	P
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		Р
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		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	ND CLEARANCES	N/A
	Figures O.1 to O.20 of this Annex applied:		
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN INTERNAL LIQUIDS	OBJECTS AND SPILLAGE OF	N/A
P.1	General requirements		N/A
P.2.2	Safeguards against entry of foreign object		N/A
	Location and Dimensions (mm):		_
P.2.3	Safeguard against the consequences of entry of foreign object		N/A
P.2.3.1	Safeguards against the entry of a foreign object		N/A
	Openings in transportable equipment		N/A





Page 33 of 68 Report No.: SZAIS190619008-01

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdic
ek anb	otes And Andor Andor A	tek spoten Anbo	Pro-
	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)		_
	Tr (°C)		_
	Ta (°C)		_
P.4.2 b)	Abrasion testing:	(See G.13.6.2)	N/A
P.4.2 c)	Mechanical strength testing	(See Annex T)	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		Р
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		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





Page 34 of 68 Report No.: SZAIS190619008-01

Aupotek	Yupore,	Anbotek	IEC 62	2368-1	Anbotek	Anbotek	Annobek
Clause	K Anbo	Requiremer	nt + Test	And	Result -	Remark	Verdict

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
	- 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

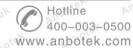




Page 35 of 68 Report No.: SZAIS190619008-01

Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	verdic
er ab	After fifth flame application, flame extinguished within 1 min	16k 190 W	N/A
Т	MECHANICAL STRENGTH TESTS		Р
T.1	General requirements		Р
T.2	Steady force test, 10 N	(See appended table T.2)	Р
T.3	Steady force test, 30 N	(See appended table T3)	N/A
T.4	Steady force test, 100 N	(See appended table T4)	Р
T.5	Steady force test, 250 N	(See appended table T5)	N/A
T.6	Enclosure impact test	(See appended table T6)	N/A
	Fall test		N/A
	Swing test		N/A
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)		_
	Height (m)		
T.10	Glass fragmentation test	(See sub-clause 4.4.4.9)	N/A
T.11	Test for telescoping or rod antennas		N/A
	Torque value (Nm)		_
U	MECHANICAL STRENGTH OF CATHODE RAY TAGAINST THE EFECTS OF IMPLOSION	TUBES (CRT) AND PROTECTION	N/A
U.1	General requirements		N/A
J.2	Compliance and test method for non-intrinsically protected CRTs		N/A
U.3	Protective Screen	(See Annex T)	N/A
Vupo.	K week unpole And	botek Anbor An	anbotek
/	DETERMINATION OF ACCESSIBLE PARTS (FIN	IGERS, PROBES AND WEDGES)	Р
/ 1	Accessible parts of equipment		Р

V	DETERMINATION OF ACCESSIBLE PARTS (FING	BERS, PROBES AND WEDGES)	Р
V.1	Accessible parts of equipment		Р
V.2	Accessible part criterion		Р



Page 36 of 68 Report No.: SZAIS190619008-01

No.	kote.	MUD	tok above	Pris.	18/
4.1.2 TABLE	: List of critical com	ponents	Anbor Air	stek Anboten	Anbe Prek
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Plastic enclosure	LG CHEM (GUANGZHOU) ENGINEERING PLASTICS CO LTD	LUPOY GN5001RF(T)	Min. V-0, min.80° C, min. thickness 1.2mm	UL 94	UL E248280
PCB Ambatek	Interchangeable	Interchangea ble	V-1 or better, 130°C	UL796	Anbotek
UL796F	UĽ NEK NI	bose Vur	ak hotek	Aupor Air	rek noo
Internal lead wire	Interchangeable	Interchangea ble	24 AWG, 105°C, VW-1	UL758	UL A

Supplementary information:

- 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.
- ²⁾ Description line content is optional. Main line description needs to clearly detail the component used for testing

4.8.4, 4.8.5	TABLE: L	And stek N/A			
(The follow	ing mechanica	al tests are conducted in the seque	nce noted.)		
4.8.4.2	TABLE: St	ress Relief test	anbotek Anbot K All	_	
Part		Material	Oven Temperature (°C)	Comments	
otek A	upor bi	notek Anboten Anb	botek Anbore An	otek nobo	
4.8.4.3	TABLE: Ba	attery replacement test	botek Anbotek	_	
Battery pa	_				
Battery Ins	stallation/with	drawal	Battery Installation/Removal Cycle	Comments	
r re	itek Anbot	- And tek abotek	Anbor Al- stek Anbore	k bupo	
4.8.4.4	TABLE: Dr	op test	Anboten Anbotek Ant	_	
Impact Area Drop Distance		Drop Distance	Drop No.	Observations	
,no botek	Anbotek	Anbo tek Anbotek Ar	hote. Vuo	Vupora - Vi	
4.8.4.5	TABLE: Im	pact Andrew	Anboth An sotek Anbotek	_	
Impacts per surface Surface		Surface tested	ce tested Impact energy (Nm)		
K Viv.	otek an	Joseph Anbo K. Botek	Anbote Ann Nek anb	tek -tupor	
4.8.4.6	TABLE: Cr	ush test	ek Anbotes Anbo tek	_	
Test position Surface tested		Surface tested	Crushing Force (N)	Duration force applied (s)	
A. hotek	- Anbote.	Ann tek - shotek	Wipor VI Otek Wipotek	Anbo ok	
Cumplana	ntary informati	IN VUDOL VI	hotes And	c abose	





Page 37 of 68 Report No.: SZAIS190619008-01

4.8.5	-100. By		utton cell batterie	es mechanical		Dir. D'11.	ote.	N/A	
Т	est position	Sur	face tested	Force (N)				Duration force applied (s)	
potek	Anbore	Pur Yok	abotek Ant	30° p.	otek	Anboten	Ann	. Ye	
-010	K Aupolen	Anbo	botek	Aupore Au	nto k	anbotek	Anbox		
Supple	ementary inform	nation:	k hotek	Anbote	Ann	abote	K Ant	000	
5.2	Table: 0	Classification of	electrical energy	sources	Anbo	'K bu	notek	AntPres.	
5.2.2.2	2 – Steady State	e Voltage and Cu	rrent conditions						
		Location (o. a.			Parar	neters			
No.	Supply Voltage	Location (e.g. circuit	Test conditions	U				ES Clas	
	Vollago	designation)		(Vrms or Vp	ok) (Ap	ok or Arms)	Hz		
1	5Vdc	USB Output +	Normal	5Vdc		0.001		494	
	"us "otek	Anbotek to -	Abnormal					ES1	
	Annatek	Anbotek	Single fault –					Aupoli	
ofe.	Ann	hotek	SC/OC	100	,		0*	tas	
5.2.2.3	3 - Capacitance	<u> </u>	1	T					
No.	Supply	Location (e.g. circuit	Test conditions		Parameters			ES Clas	
10.	Voltage	designation)	1 CSt Corraitions	Capacitano	e, nF	Upk	(V)	Locias	
k	abotek_	"Upo. T	Lotek Anbote	Ano al	6	otek F	apore	Vu.	
	abotek	Anbote. A	Hotek Anbr	lek Aupo	rek by	abotek -	Anbore	Anbe	
	. abotek	Anbore	You VIEW P.	Pupi	orek	Pr. Potek	- Anbote	Anb	
5.2.2.4	I - Single Pulse	S	- 100	V.	2010	VIII		101	
		Location (e.g.			Param	eters			
No.	Supply Voltage	circuit designation)	Test conditions	Duration (ms)			pk (mA)	ES Clas	
, - -	bu.	Anboter An	Normal	ek -Anbore	Pu.	181	, apotek	Anbo	
	Anbo	Vuposek.	Abnormal	ootek Aupo	- N	Anbor Stak	An.	Anb	
	tel Anbotel	Anbotek	Single fault –	Anbotek A	notek	Anbotek	Aupo	OK P	
bre.	nek nb	tek Anbe	SC/OC	Anbore.	Ans	, pol	cek Ar	100.	
5.2.2.5	5 - Repetitive P	ulses						1	
No.	Supply	Location (e.g. circuit	Test conditions		Parame	eters		ES Class	
10.		designation)	1 33t 33r Iditions	Off time (ms)	Upk (V) Ip	k (mA)	LO Glass	
boten	Pup.	nbotek	Normal	notel-	potek	Anbo	- whol	ek P	
Anbot	er Aupo	tek Anbotek	Abnormal	Andorsk	Anbotek-	Pubor-	ek-	potek	
An	oter Anti		Single fault – SC/OC	- botek	Aupote)	Aupo.	Vek.	nbotek	





Page 38 of 68 Report No.: SZAIS190619008-01

Test Conditions:

Normal – Abnormal -

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

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature	measurement	s Anb	nbotek nbotek	Anbote	otek Anb	otek An	Aupotek
Kar	Supply voltage (V)	upo A	5Vdc	4.2	.Vdc	rek	anbotek.	_
ie. Vun.	Ambient T _{min} (°C)	Anbor A	40.0	40	0.0	Tup.	-nbotek	
pole b	Ambient T _{max} (°C)	Anbox.	40.0	40	0.0	PUD.	r - aboti	_
Anbores	Tma (°C)	Anbos :	40.0	10 40	0.0000	Aupo	rek - m	_
Maximum m	neasured temperature T	of part/at:		·	T (°C	;)		Allowed T _{max} (°C)
PCB near J	4ek Anbote		68.9	99	9.3			130
PCB near J	3 tek Anbotek		65.7	97	7.4			130
PCB near J	5 stek Anbotek	12. o.k	66	8	5.6		- 700-	130
PCB near J	1 Anbotek	Anbore	62.9	lek 8	30 ote	-Mulpor	- Pr	130 N
L1 winding	Anno tek abot	ek Anboro	81.6	12	22.9	Pup	Pro-	130
PCB near U	11 Anbox An	botek Anbor	88.1	12	25.5	Jek b	Upor	130
Battery surfa	ace	hotek Ani	45.0	5	5.3	abotok	Vupore.	Ref.
nside wire	ibotek Anbote	An	58.3	And 52	2.7	botek	Anboren	105
Enclosure ir	nside near L1 above	Anna	53.6	70	0.6	Prin-	Anbote	80
Enclosure o	outside near L1 above	Anbo	52.4	66	6.9	-Prop	tek Anb	80 1
Supplement	tary information:	ek Yupo	3K 2,	potek	Anborer	r Vuln	otek A	hotek
Temperatur	e T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
tek A	potek Anbor	VI. Ofek	Anboten	-Pupo	- No.	-botek	Aupote.	Anv
Supplement	tary information:	MUB	"Otek	Anb	0.0	An Lak	hotel	VUDO.

Supplementary information:

Note 1: Input with input 5.0Vdc, output without load Note 2: The battey is full, and output load: 5V/2A

5.4.1.10.2	TABLE: Vicat softening temperature of thermoplastics						
Penetration	(mm)		:	Anbot	p.i.	Anboten	_
Object/ Par	t No./Material			Manufacturer/t rademark	Т	softening (°C)
nbotek	Anbo	A. botek	Anbote. Ar	ntek and	otek Anbo	re Viv	notek.
supplement	ary information:						







Page 39 of 68 Report No.: SZAIS190619008-01

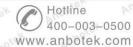
5.4.1.10.3 TABLE: Ball pr	essure test of thermoplastic	S Anbote And	anbotek	N/A
Allowed impression diameter	(mm):	≤ 2 mm	Anbotek	_
Object/Part No./Material	Manufacturer/trademark	Test temperature (°C)	Impression dia	meter (mm)
upote And	Lotek Aupor Au	otek Anboten Anbo	rek nbol	ek Anbo
Supplementary information:	Anbotek Anbote An	notek Anboten An	bo by	potek p

5.4.2.2, TABLE: Minim 5.4.2.4 and	um Clearance	s/Creepa	ge distance	stek An	potek	*upo _{fo}	N/A
5.4.3							A. anbotek
Clearance (cl) and creepage distance (cr) at/of/between:	Up (V)	U r.m.s. (V)	Frequenc y (kHz) ¹	Required cl (mm)	cl (mm) ²	Required ³ cr (mm)	cr (mm)
Anbot Att abotek	Anbote An	John John	-60tek	Apporto	Pu.	10k 10s	otek An
Anbatek Anbotek	An'						10/4
Supplementary information:		I			1	1	'poley

5.4.2.3	TABLE: Minimum Cleara	TABLE: Minimum Clearances distances using required withstand voltage					
Anbotek	Overvoltage Category (O	por Au					
Anbotek	Pollution Degree:	Anboten Anbo	rek abotek	Anbote And Lotek			
Clearance	distanced between:	Required withstand voltage	Required cl (mm)	Measured cl (mm)			
er Aup	ok abotek Anbo	Aun Stek	anbotek Anbor	k hotek Anboten			
perek t	Anbot At Notek Ar	Poter -Yupp	abotek Anbot	Ans otek Anbot			
Suppleme	ntary information:	Anbotek Anbo	hotek An	pore, Mun			

5.4.2.4	TABLE: Clearances based on electric strength test						
Test voltage	e applied between:	Required cl (mm)	Test voltage (kV) peak/ r.m.s. / d.c.	Breakdown Yes / No			
odek An	hote Ann otek	npotek tupo.	Anbotek- Anbote	Anu tek anbot			
Supplement	tary information:	abotek Anbor	An hotek Anb	oten Ando tek			

5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE: Dis	tance through insulatio	n measurem	ents Andotek		Anbotek
Distance thi		Peak voltage (V)	Frequency (kHz)	Material	Required DTI (mm)	DTI (mm)
upole	Ann Jek	anbotek Anbote	All.	Anbaten.	Anbo -ok	sbotek Ant
Anbotek	- Anbo	nbotek Anbote	And otel	Anbotek	Aupo-	A. hotak
Supplement	ary informatio	n: hotek Anbote	And	tek abotek	Aupor	All





Page 40 of 68 Report No.: SZAIS190619008-01

5.4.9	TABLE: Electric	etronath toete	tek abotek	Anbor All	N/A
, NO.	e applied between:	187	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
Supplemen	 tary information:	tek Aupotek	Aupor Aupo	lik Ankoten A	Anbotek - Anbo
Supplemen	tary information.	abotek Anbor	tek Anbotek Ar	botek Anbotek	Anbotek Ar
E E 2 2	TABLE: Stored	Anbardia an ach	upotek vupore	Ann botek Ambotek	Anbo

5.5.2.2	TABLE: Sto	ored dischar	ge on capacito	ors	ek Anbore Ar	N/A
Supply Vo	tage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification
Anbore	- An-	anbatek	Anbo	Notek	Aupole, - Aug	ek abotek A
Suppleme	ntary informati	on:				rek
X-capacito	rs installed for	testing are:				
□ bleedi	ng resistor rati	ng:				
□ ICX:						
Notes:						
A. Test Lo	cation:		nbotek			
Phase to N	leutral; Phase	to Phase; Ph	nase to Earth; a	ind/or Neutral t	to Earth	
B. Operat	ing condition a	abbreviations:	Ans			
N - Norma	l operating co	ndition (e.a.	normal operation	on or open fus	e): S -Single fault con	dition

5.6.6.2 TABLE: Resistance	of protective condu	ctors and termina	tions	N/A
Accessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
Aupore, Aup.	te _f Vepore	An. Otek	nbotek Anbo	ek botek
Supplementary information:	nbotek Anbote	Anbotek	Anbotek Anbo	botek Anbotek

5.7.2.2,	TABLE: Earthed accessible conductive p	art Anbotek Anbotek Anb	N/A bott
5.7.4	Anbote And	K hotek Anbo	de Yes
Supply vol	tage::	inhote An otek Anbotek	_
Location		Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
otek M	hoo Anbotek Anbote Anb	tek nbotek Anbore Am	sotek Anbote
Suppleme	ntary Information:	nbotek Anbotek Anbotek A	Anbotek Anb
Notes:	voltage is the anticipated maximum Touch Vo	Itage K Anbootek	
Part .	d neutral conductor [Voltage differences less the	DIT DE	





Page 41 of 68 Report No.: SZAIS190619008-01

- [3] Specify method used for measurement as described in IEC 60990 sub-clause 4.3
- [4] IEC60990, sub-clause 6.2.2.7, Fault 7 not applicable.
- [5] (*) IEC60990, sub-clause 6.2.2.2 is not applicable if switch or disconnect device (e.g., appliance coupler) provided.

6.2.2	Ta	ble: Electrical	power sources	(PS) measurements fo	or classification	potek P
Source	e Descrip	Description	Measurement	Max Power after 3 s	Max Power after 5 s*)	PS Classification
USB1	otek	Anbotek	Anbo	abotek Anbote	Ann stek ant	otek Aupor
Y And		k Anbotek	Power (W) :	12.85	And tek	abotek Anbot
Output terminal	Anbo	Normal	V _A (V) :	4.62	Yer Aub	PS1
Anbole	An		I _A (A) :	2.78	botek -Anbou	An botek
USB2		Yupo. b.	a)			tek
Anbote	K	Anbor	Power (W) :	13.02		work.
Output terminal	otek	Normal	V _A (V) :	2.90		PS1
ve ^k	Note		I _A (A) :	4.49		Anbo
Type-C	. '0	otek Anbot	n ate	k anbore. Ans	ok hotek	Anbo- Anb
'upo,	be.	hotek An	Power (W) :	12.74	Por W. Work	anbotek P
Output terminal		Normal	V _A (V) :	2.90	Anbore Anu	PS1
Anboter			I _A (A) :	4.39	"Thote" - August	k hotek

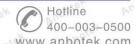
(*) Measurement taken only when limits at 3 seconds exceed PS1 limits

6.2.3.1	Table: Determination	on of Potential Ign	ition Sources (Arc	ing PIS)	N/A PO
		Open circuit voltage After 3 s	Measured r.m.s	Calculated value	Arcing PIS?
	Location	(Vp)	(Irms)	(V _p x I _{rms})	Yes / No
poter 1	Anbo Tek nbotek	Aupor Au	"otek Anbotek	Aup - wk	-botek Anbote

Supplementary information:

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

6.2.3.2	Table: Dete	ermination of Potentia	al Ignition Sour	ces (Resistive F	PIS) otek Anbote	N/A
Circuit Lo	ocation (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
k Anbo	- 10 N	stek Arbote	7Up	abotek Anbo	ok Notek	Antoren





Page 42 of 68 Report No.: SZAIS190619008-01

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.

No.	botek Aupor All	Anbotek Anbo	Hotek Anbote And
8.5.5	TABLE: High Pressure Lamp	ntek Anbote	N/A
Description	on	Values	Energy Source Classification
Lamp typ	e:	70% 15. 7	_
Manufact	turer:		_
Cat no	abole k		_
Pressure	(cold) (MPa)		MS_
Pressure	(operating) (MPa)	"upoto. Aur	MS_
Operating	g time (minutes):	abotek Anbote	_
Explosion	n method:	k hotek Anboten	_
Max parti	icle length escaping enclosure (mm) .:	-k wotek Anbotek	MS_
Max parti	icle length beyond 1 m (mm):	ble. And neek and	MS_
Overall re	esult	hbote And otek	nbotek Anbot An
Supplem	entary information:	Anbotek Anbotek	Anbotek Anbotek Ant

B.2.5	TABLE: Inp	ut test modell	Anbou	ak hotel	k Anbo	te, Vui	rek p	anbo P ik
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Conditi	on/status
Input	poter Ant	, ek	botek	Inpose And	-otek	Anbotek	Anbo	k both
5Vdc	1.583	1.5 Anbotek Anbotek Anbotek	7.92	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek	Anbotek Anbote sk Anb	by 5V DC	nd supplied source, I an empty e charge
5Vdc	1.626	1.5	8.13	Anbote* Anbotek Anbotek Anbotek	poten_ Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotel K Anbotel Otek Anb	Normal op (type-C) a supplied b source, ch empty bat charge cu battery is	and by 5V DC nargered an tery, the rrent of





Page 43 of 68 Report No.: SZAIS190619008-01

B.2.5	TABLE: Inpu	ut test	K 200	tek Aupote	Ann	otek .	hotek	Anbo P
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condi	ition/status
The EUT is	supplied by in	ternal full batte	ery :	shotek An	poter	Anb. Otek	, upote	K Aupor
3.7	2.81	Anbotek Anbotek	Anbotek Anbotek	Anbotek Anbotek	Anbotek Anbotek	Anbotek Anbotek	internal	Supplied by full battery, e-C output
3.7	2.82	ootek Anbotek	hotek An	Anbotek - Anbot Anbotek An	otek Amb	Anbotek	internal t	Supplied by full battery, 31 output
Anbote	2.86	Ant Ant	W. Tok	-noten	Vu _D		Discharg mode.(S internal f	ged Supplied by full battery, 32 output

Supplementary information:

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

B.3	TAB	LE: Abnorm	al operating	condition to	ests	tek	Aupo	rek h	nbotek	kupore P
Ambient ter	mpera	ture (°C)	Anbote	Pur Polak	P.	hotek	24.6-	25.2	A. abotek	_
Power sour	rce for	EUT: Manufa	acturer, model	/type, outpu	ıt rating	Anbote	See	page 2 for	details	
Componen	nt No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.		se nt, (A)	T-couple	Temp.	Observation
Battery Cha	arge:									
U1 pin 4-6		SC	5	10min		-	-			Unit normal work after short circuit. battery no fire, no explosion and no leakage, no hazard.
C1		SC	5	10min	1	-	-			The charge current of battery: 2.32A.





Page 44 of 68 Report No.: SZAIS190619008-01

2 1/20	No.	al operating	DAY.		VeV-		abotek	Aupore	And P
Ambient tempera	ature (°C)	Anu	- nodel	·	nbore	24.6-	25.2	Anbotek	_
Power source for	r EUT: Manuf	acturer, model	/type, outpu	it rating	Pupo	See	page 2 for	details	FER
Component No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.		ise nt, (A)	T-couple	Temp. (°C)	Observation
Battery	Overcharg e	5	7h		-	-			Unit normal work after short circuit. battery no fire, no explosion and no leakage, no hazard.
Battery discharge	Э								
U3 pin 1-4	SC	5	10min	-	-	-		-	Unit shut down immediately after short circuit. battery no fire, no explosion and no leakage, no hazard.
R2	SC	5	10min		-	-			The current of charge: 0A.
USB output (5Vdc)	SC	5	10min		-	-			Unit normal work after short circuit. battery no fire, no explosion and no leakage, no hazard.

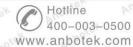


Page 45 of 68 Report No.: SZAIS190619008-01

Aupole.	ARD	botek	Pupor	br.	rek	6 1/2	oten Ar	'Do	notek.
B.3 TAE	3LE: Abnorm	nal operating	condition to	ests	,0 ·	p.	-otek	Anbote.	And P
Ambient tempera	ature (°C)	Anbo.	A. nbotel	6	upoter.	24.6-	25.2		
Power source for	r EUT: Manuf	acturer, mode	l/type, outpu	ut rating	Pupor	See	page 2 for	details	tek _
Component No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.		ise nt, (A)	T-couple	Temp. (°C)	Observation
Battery	Over- discharge		7h		-	-			Unit shut down immediately after short circuit. battery no fire, no explosion and no leakage, no hazard.
Battery B+ to B-	SC		10min		-	-			The current of charge: 0A.
Supplementary in		rd abnormal ar	nd fault cond	ditions fo	or all ar	onlicah	le energy s	ources in	cluding

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

B.4 TA	BLE: Fault co	ondition tests	tek	potek	Anb	010	All	N. D	nbote	PAnbo
Ambient temper	ature (°C)	boter And	16/4	- Spotek	: p	25.0	K Vun	otek.	anb	_
Power source for	or EUT: Manut	facturer, mode	l/type, outpu	ut rating	lek.	- Fupo,	e. Vur	ntek		_
Component No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fu currer		T-couple	Temp. (°C)	Ok	servation
Charging mode									•	
U1 pin2-5	SC	5Vdc	10mins		-	-			dow imm prot	nediately, ection, no naged, no
Battery	Over charging	5Vdc	7h		-	-			stab	nperature pility and nazards.
Battery discharg	je	1	·				ı	1	1	





Page 46 of 68 Report No.: SZAIS190619008-01

U3 pin 1-4	SC	5	10min	 	 	Unit shut down immediately after short circuit. battery no fire, no explosion and no leakage, no hazard.
R6	SC	5	10min	 	 	The current of charge:
USB output (5Vdc)	SC	5	10min	 	 	Unit normal work after short circuit. battery no fire, no explosion and no leakage, no hazard.
Battery	Over- discharge		7h	 -	 	Unit shut down immediately after short circuit. battery no fire, no explosion and no leakage, no hazard.
Battery B+ to B-	SC		10min	 	 	The current of charge: 0A.



Page 47 of 68 Report No.: SZAIS190619008-01

Annex M	TABLE: Batt	eries ****						oten	Anbo P
The tests of	f Annex M are	applicable	only when app	ropriate b	attery data	is not ava	ailable	nbotek	ANPOR
Is it possible	e to install the l	battery in a	reverse polar	ity position	1?	And	No	abotek	Aupor
	Non-re	chargeabl	e batteries		F	Rechargea	ble batteri	es	
	Disch	arging	Un-	Cha	rging	Disch	arging	Reverse	ed charging
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. curren during norm condition	- AP	otek And	upotek Au	1916mA	5000mA	3520mA	5000mA	anbotek Anbotek	Anbote Anbote
Max. curren during fault condition	0.75	inbotek Anbotek	Anbotek Anbotek	1932mA	5000mA	3550mA	5000mA	Anbote anh	olek - Anb
Test results	ii. k	Y-							Verdict
- Chemical	leaks	otek					No leak	age	Phote
- Explosion	of the battery	abotek	yr:	VIO.	400	(8)	No expl	osion	Panb
- Emission o	of flame or exp	ulsion of m	olten metal	Anbo	ek An	potek	No flam	е	otek P p
- Electric str	rength tests of	equipment	after completi	on of tests	otek	Anbotek	Anbot	ek Pi	nbote P
Supplemen	tary information	n: Aupo	otek Anbor	potek An	Anbotek	Anbotek	ek Anbo	botek	Anbotek

Annex M.4	Table batte	: Additional saf	eguards for	equipment co	ontaining	seconda	ary lithium	Anbot	N/A
Batter	•	Test	conditions		Meas	surement	S		Observation
No	0.			U		I (A)	Temp ((C)	
Anbo.	rek	Motek	Anbote	Any	Anhotek	Aup	- P	-potek	Anboten
Supplementa	ary Info	ormation:							
Battery identification		Charging at T _{lowest} (°C)	Obse	ervation	Tr	rging at highest °C)		Observa	ation
k nbote	K	Aupor - Mr.	hotek	Amboten P	'up, rek	- 2000	Her by	ipore	Ann
Supplementa	ary Info	ormation:	An Lotek	Anbotek	Anbo	IK Pro	botek	Aupoten	Vun.





Page 48 of 68 Report No.: SZAIS190619008-01

Annex Q.1	TABLE: Circuits inte	nded for interco	onnection with	building wirin	g (LPS)	Anbotek
Circuit outpu	ut tested: USB output lo	ad with 5V/2A	bo. br.	notek Anbo	Ve. Yun	ek abote
Note: Measi	ured UOC (V) with all lo	ad circuits disco	nnected:	wotek ar	poter Aupo	rek ab
Output	Components	U _{oc} (V)	I _{sc}	(A)	S (\	/A)
Circuit			Meas.	Limit	Meas.	Limit
Normal	botok Anbo	5.04	2.90	8	13.02	100
U3 pin1-4 SC	SC N	botek O Anbo	otek 0 Anbot	k 8 _{Anboren}	k Anbotek	100
R6	SC	Pupo, O'	otek O An	1010 8 Amb	10 you	100
Q3	SC	Anbore	YUD CK	hotek An	Dog No.	rek nb
Circuit outpu	ut tested: type-C output	load with 5V/2A	Anbor	VI.	aboten An	00 K
Normal	te SC Anbote	5.01	2.90	Anb 8	12.74	100
U3 pin1 -4 SC	SC	0	0	8	0	100
R6	SC	0	0	8	0	100
Q3 Anbo	SC	0	0	8	0	100
"O. D'.	tary Information: ircuit, OC=Open circuit	n. nbotek	Vupore.	An-	Anbotek Ant	o. Aupr

T.2, T.3, T.4, T.5	ABLE: Steady force te	st Anbote	Anbotek Anbotek	Anbotek	Anbotek Anb Pek
Part/Location	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation
Complete EUT enclosure	Plastic material	Min. 1.6	Anbotek	5s And	No energy source exceed class 1 can be accessed
Supplementary	information:	otek Anbote	k Aupon	potek	Aupoten Aupo

T.6, T.9	TAB	LE: Impact tests	Aupoto.	hotek An	potek Aupon	rek w	rek N/A And
Part/Locat	ion	Material	Thickness (mm)	Vertical distance (mm)		Observation	
k Pin	N.	Aupoles Aupo	rek - pote	k Arbole	Aur	Aupotek.	Anbor
Supplementa	ary inf	ormation:	ipo. V.	otek Anboten	Anb	abotek	Anboro

T.7 botek	TAB	LE: Drop tests	Anbotek	Anboro	botek	Anbote	Anb	otek P
Part/Locat	ion	Material	Thickness (mm)	Drop Height (mm)		Observa	ation	





Page 49 of 68 Report No.: SZAIS190619008-01

Complete EUT	Plastic material	Min. 1.6		No energy source be accessed	exceed class	ss 1 can
Supplementary in	formation:	Aupore VI	hotek Anb	stek Anber	abotek	Anbore

T.8	TABI	LE: Stress relief to	est Anbore	Ann Otek	Anbotek An	potek P
Part/Locat	ion	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
Enclosu	re	Plastic material	Min. 1.6	nbotek Ar	ek Zanbote botek Anbote	No energy source exceed class 1 can be accessed



Page 50 of 68 Report No.: SZAIS190619008-01

Anboro	Anbotek Anboten	National Differences	Anbote And Anbotek	Anbotek
Clause	Requirement + Test	k nbotek Anbotek	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 62368-1

Audio/video, information and communication technology equipment –

Part 1: Safety requirements

	EUROPEAN NATIONAL DIFFERENCES	
	according to EN 62368-1:2014/Ac:2015	
	according to EN 02300-1.2014/Ac.2013	
loge. Yu,	CENELEC COMMON MODIFICATIONS	4
Clause	Requirement + Test Result - Remark	Verdic
General	Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2014 are prefixed "Z".	hP.ek
	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).	
nbotek Anb	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	





Page 51 of 68 Report No.: SZAIS190619008-01

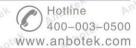
Vupor.	National Differences	Anbote And hotek	Anbotek
Clause	Requirement + Test	Result - Remark	Verdict
Anbe	tek anbotek Anbote Am sotek An	notek Anbo tek abotek	Anbo
ZA	NORMATIVE REFERENCES TO INTERNATI WITH THEIR CORRESPONDING EUROPEA		rek - b.



Page 52 of 68 Report No.: SZAIS190619008-01

Anbo	Anbotek Anbotes	National Differences	Anboe Ane Anbotek	Anbotek
Clause	Requirement + Test	Anbotek Anbotek	Result - Remark	Verdict

	ZB ANNEX (normative) SPECIAL NATIONAL CONDIT		
Clause	Requirement + Test	Result - Remark	Verdic
4.1.15	Denmark, Finland, Norway and Sweden To the end of the subclause the following is	Anbotek Anbot	N/A
	added:	hotek Anbotek	Anbotel A
	Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection	Anbore All stek	, upo tek
	to reliable earthing or if surge suppressors are connected between the network terminals and		Anbo
	accessible parts, have a marking stating that the equipment shall be connected to an	eek "botek	Anbo- Ar
	earthed mains socket-outlet.	Anbotek Anbotek	k hotek
	The marking text in the applicable countries shall be as follows:	Anbotek Anbote	otek Anbotek
tek Anbote	In Denmark : "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."	otek Anbotek A	Anbotek And
	In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	Anbotek Anbote	k Andotek
	In Norway : "Apparatet må tilkoples jordet stikkontakt"	atek Anbotek Anbr	nbotek Anbot
	In Sweden : "Apparaten skall anslutas till jordat	Anbotek Anbotek	Anbotek A
	uttag"	Anbotek Anbotek	Anbotek hotek
1.7.3 March	United Kingdom	Anbotek Anbo	N/A
		abotek Anbotek	Anbotek An
	The torque test is performed using a socket- outlet complying with BS 1363, and the plug	Anbotek Anbotek	Antotek botek





Page 53 of 68 Report No.: SZAIS190619008-01

Anbore	Anbotek Anboten	National Differences	Anbote Ans botek	Anbotek
Clause	Requirement + Test	And hotek Anbotel	Result - Remark	Verdict

abotek Ann	ZB ANNEX (normative) SPECIAL NATIONAL CONDIT		
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
5.2.2.2	Denmark 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.	Anbotek Anbotek Anbot	N/A
by.	Hek Aupoten h. Jok mote. An	in work Mupo.	Anl
5.4.11.1 And Annex G	Finland and Sweden To the end of the subclause the following is added:	Anbotek Anbotek Anbotek Anbotek	N/A
anbotek Anti	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	otek Anbotek	Anbotek nbotek
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbote Anbote
Anbotek Anbotek	 one layer having a distance through insulation of at least 0.4 mm, which shall pass the electric strength test below. 	Anbotek Anbotek Anbotek	Anbotek Anbotek
otek Anbore	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	Anbote And hotek Ar	botek b





Page 54 of 68 Report No.: SZAIS190619008-01

Anbore	Anbotek Anboten	National Differences	Anbote Ans botek	Anbotek
Clause	Requirement + Test	And hotek Anbotel	Result - Remark	Verdict

tek Anbot	AND TO ANNEY (no mostive)	rick Anborek Anbo.	by.
stek on	ZB ANNEX (normative) SPECIAL NATIONAL CONDIT		
Clause	Requirement + Test	Result - Remark	Verdict
Clause	clearances and creepage distances do not	Nesult - Nemark	Verdict
Anboter	exist, if the component passes the electric	Anbotek Anbo	hotek
abotek	strength test in accordance with the	ek abotek Anbore	D.I.
ok hote	compliance clause below and in addition	K wotek Anboten	Anbo
To Am	tek anbotek Anbo ak hotek An	poter. Aug. tek abo	cek An
poter Aut	passes the tests and inspection criteria	abotek Anbo A	wotek
abotek	of 5.4.8 with an electric strength test of	Atternation of the same	Vek.
Al. motek	1.5 kV multiplied by 1.6 (the electric		10
AND	strength test of 5.4.9 shall be performed		polo
Anbo	using 1.5 kV), and		nboth
ek Anbote	s is subject to routing testing for electric		1
stek onb	 is subject to routine testing for electric strength during manufacturing, using a 	rek abotek Anbo	bu.
po Lak	test voltage of 1.5 kV.	Anbor An hotek An	poter
Anbore P	And Andrew Andrew	Anbote. And atek	botek
Anboten	It is permitted to bridge this insulation with a	Anbotek Anbo	Potek Potek
abotek	capacitor complying with EN 60384-14:2005,	K botek Anbore	Vur.
K Notel	subclass Y2.	An otek Anboten	Aupo
A.n.	tek anbotek Anbo Ak hotek Ant	oten And	SK WUL
poter, Yup,	A capacitor classified Y3 according to EN	abotek Anbo. A.	nek.
abotek A	60384-14:2005, may bridge this insulation	hotek Anbote An	rek
An	under the following conditions:	Ann atek Anbotek	Mpo.
Amba	the insulation requirements are estisfied	Anbo A. botek	Anbote
Anbor	 the insulation requirements are satisfied by having a capacitor classified Y3 as 	Aupore Aurotek	anbote
K Anbore	defined by EN 60384-14, which in	stek Anboten Anb	/K ~/V
stek Anbo	addition to the Y3 testing, is tested with	tek abotek Anbou	re by.
Lak P	an impulse test of 2.5 kV defined in	inbor Ar botek Anb	0,6,
Aupore A	5.4.11;	Anbote, Ann stek	potek
Anboten	Anbotek Anbote An	anbotek Anbo	notek
5.4.11.1	Andor Ar Lotek Andore And	abotek Anbote	N/A
And	the additional testing shall be performed	W wotek Anboten	Aupo
Annex G	on all the test specimens as described in	oter And tek abote	K Anb
(cont'd)	EN 60384-14;	upotek Aupo, W.	otek p
abotek Ar	the impulse test of 2.5 kW is to be performed	hotek Anbote Ant	-tek
"Otek	the impulse test of 2.5 kV is to be performed before the endurance test in EN 60384-14, in	And atek anbotek A	'upo.
AUD	Defore the endurance test in EN 60364-14, in	VUDO. W.	note





Page 55 of 68 Report No.: SZAIS190619008-01

Aupore	Ambotek Anbotek	National Differences	Anbores Anborek	Anbotek
Clause	Requirement + Test	Anbotek Anbotel	Result - Remark	Verdict

botek And	ZB ANNEX (normative) SPECIAL NATIONAL CONDIT		rek N
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	the sequence of tests as described in EN 60384-14.	ak Anbotek Anbotek	Anbotek Anbotek
5.5.2.1	Norway Anbotek Anbotek Anbotek Ar	Jotek Anbotek Anbote	N/A
Anbotek	After the 3rd paragraph the following is added:	Anbor Ar rick and	itek.
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).		botek
ek spot	to mile vellage (200 V).		Ambo
5.5.6	Finland, Norway and Sweden	nbotek Anbotek Anbo	N/A
Anbotek Anbotek	To the end of the subclause the following is added:	Anbotek Anbotek Anb	botek
	Resistors used as basic safeguard or bridging basic insulation in class I	k Anbotek Anbotek	Anbote
potek Anb	pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	oter Anbotek Anbotek	ek Au
anbotek P	Albor All Dotek Anboten Anbo	Anbotek Anbote Ant	Notek.
5.6.1	Denmark Add to the end of the subclause	Anbotek Anbotek A	N/A
k Anbotel	Due to many existing installations where the socket-outlets can be protected with fuses with	otek Anbotek Anbotek	Anbo
Jotek Anb	higher rating than the rating of the socket- outlets the protection for pluggable equipment	Anbotek Anbotek Anbo	lek b
	type A shall be an integral part of the equipment.	Anbotek Anbotek Ar	Anbotek
	Justification:	tek anbotek Anbotek	Anbote
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	Ipotek Anbotek Anbotek	ak And
5.6.4.2.1	Ireland and United Kingdom	Antiotek Anbotek An	N/A





Page 56 of 68 Report No.: SZAIS190619008-01

Anbore	Anbotek Anboten	National Differences	Anbote Ans botek	Anbotek
Clause	Requirement + Test	And hotek Anbotel	Result - Remark	Verdict

ZB ANNEX (normative) SPECIAL NATIONAL CONDITIONS				
Clause	Requirement + Test	Result - Remark	Verdict	
Anbotek Anbote	5.6.4.2.1 After the indent for pluggable equipment type A , the following is added:	Anbotek Anbotek Anbotek	Anbotek	
	 the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug. 	Anbotek Anbotek Anbot	ek An	
botek	upot An Lak - bo	, , , , , , , , , , , , , , , , , , ,	vok.	
5.6.5.1	To the second paragraph the following is added:		N/A	
	The range of conductor sizes of flexible cords to be accepted by terminals for	tek "bo-	Anbo'	
	equipment with a rated current over 10 A and up to and including 13 A is:	Anbotek Anbotek Ant	notek notek	
	1.25 mm ² to 1.5 mm ² in cross-sectional area.	Anbotek Anbotek	Anbotek	
5.7.5	Denmark	otek Anbotek Anbot	N/A	
	nbetek Anbor An notek Anboten An	tek shotek Anbore	Y Am	
	To the end of the subclause the following is	Aupor Al. Motek Aup	oren	
	added:	Anbotek Anbotek	, hbotek	
	The installation instruction shall be affixed to	Al hotek Anbotek	AUDO	
	the equipment if the protective conductor	And stek abotek	Anboro	
	current exceeds the limits of 3.5 mA a.c. or 10 mA d.c.	obtek Anbotek Anbotel	K Anb	



Page 57 of 68 Report No.: SZAIS190619008-01

Anbore	Anbotek Anboten	National Differences	Anbote Ans botek	Anbotek
Clause	Requirement + Test	And hotek Anbotel	Result - Remark	Verdict

ZB ANNEX (normative) SPECIAL NATIONAL CONDITIONS				
Clause	Requirement + Test	Result - Remark	Verdic	
5.7.6.1	Norway and Sweden	Arr. otek unbotek	N/A	
	abotek Anbote Am otek anbotek	Anbo ak pol	ek Anbore	
	To the end of the subclause the following is	lek Anbore And	ntek nbr	
	added:	otek anbotek Ani	Do. K.	
	The screen of the television distribution	bo. W. Wotek	Anbore A	
	system is normally not earthed at the entrance	Anbote, Ans	abotek	
	of the building and there is normally no		rek	
	equipotential bonding system within the		You	
	building. Therefore the protective earthing of		abore	
	the building installation needs to be isolated		odna	
	from the screen of a cable distribution system.		b.	
	It is however accepted to provide the	ok botek	Anbo- Ar	
	insulation external to the equipment by an	Anbore And	abotek	
	adapter or an interconnection cable with	abotek Anbook	A. otek	
	galvanic isolator, which may be provided by a	Ar. Lotek Anboten	AND	
	retailer, for example.	And bote	Anbolo	
	The user manual shall then have the following	K Anbore An	otek vopo,	
	The user manual shall then have the following	otek Anbotek Anb	W.	
	or similar information in Norwegian and Swedish language respectively, depending on	ok hotek	"upote Vu	
	in what country the equipment is intended to	Anbote Ans	nbolek	
	be used in:	abotek Anbo	work.	
	be used III.	wotek Anbote	VAL.	
	anbotek Anbotek Anbotek	And sek abote	Anboro	
5.7.6.1	"Apparatus connected to the protective	k Aupor Au	otek vapol	
(cont'd)		stek anboten Anb	N/A	
(cont a)	earthing of the building installation through the	ok hotek A	inpose An	
	mains connection or through other apparatus with a connection to protective earthing – and	upose Yun tek	abolek	
	to a television distribution system using	abotek Anbo	A. Otek	
	coaxial cable, may in some circumstances	Ar hotek Anboter	Aros	
	create a fire hazard. Connection to a television	And tok shotel	Anbore	
	distribution system therefore has to be	Anbor And	tek anbote	
	provided through a device providing electrical	tek anbotek Anbi	rok h.	
	isolation below a certain frequency range	lok hotek A	upote Au	
	(galvanic isolator, see EN 60728-11)"	hbote And	abotek	
	(gaivaine isolator, see £14 007 20-11)	abotek Anbor	P. Crek	
	NOTE In Norway, due to regulation for CATV-	Anbotek Anbotek	And	
	installations, and in Sweden, a galvanic isolator shall	Anbo k notek	Anboto	





Page 58 of 68 Report No.: SZAIS190619008-01

Aupor	Anbotek Anbotek	National Differences	Anbore And hotek	Anbotek
Clause	Requirement + Test	k Anb otek Anbotel	Result - Remark	Verdict

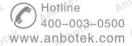
	ZB ANNEX (normative) SPECIAL NATIONAL CONDIT		
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1.5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	Anbotek Anbotek	atek Anbotek
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	otek Anbotek Ar	Anbotek A
	"Apparater som er koplet til beskyttelsesjord	Anbore Ant	anbotek tek
	via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-		botek
	TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til		Anbo
	kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	Anbotek Anbotek	Anbotek A
	Translation to Swedish:	Anbotek Anbotek	ak Anbotek
	"Apparater som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning	otek Anbotek An	otek Anbo
stek Anb	och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att	inbotek Anbotek	Anbotek
	undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet.".	Anbotek Anbotek	k Albotek
Anbotek	An atek Anbotek Anbo Anbotek	k Anbotek Anbot	otek Pupot
5.7.6.2	Denmark Anbotek Anbotek Anbotek	otek Anbote An	N/A
	To the end of the subclause the following is added:	Anbotek Anbotek	Anbolek Anbolek
	The warning (marking safeguard) for high touch current is required if the touch current or	Anbotek Anbote	k Anbotek
	the protective current exceed the limits of 3.5 mA .	tek Anbotek Anb	'upotek Yu
3.3.1 and	Ireland and United Kingdom	Anbotek Anbotek	N/A
3.4 otek	The following is applicable:	Anbotek Anbote	Anbotek



Page 59 of 68 Report No.: SZAIS190619008-01

Aupor	Anbotek Anbotek	National Differences	Anbore And hotek	Anbotek
Clause	Requirement + Test	k Anb otek Anbotel	Result - Remark	Verdict

	ZB ANNEX (normative) SPECIAL NATIONAL CONDIT		
Clause	Requirement + Test	Result - Remark	Verdic
And	hotek Anbott An tek abotek	Augo K Wolek	Nupote
	To protect against excessive currents and	Anboten Anb	-botel
	short-circuits in the primary circuit of direct	ek botek Anbore	P.I.
	plug-in equipment, tests according to	All Stek Anbotek	Anb
	Annexes B.3.1 and B.4 shall be conducted	poten Anbe ak no	tek !
	using an external miniature circuit breaker	hotek Anbote And	*ek
	complying with EN 60898-1, Type B, rated	Ant rek	100,
	32A.		Year
	And		bote
abotek	If the equipment does not pass these tests,		200
	suitable protective devices shall be included		Anb
	as an integral part of the direct plug-in		- 6
	equipment , until the requirements of Annexes	hotek Anbote Anb	ve/k
	B.3.1 and B.4 are met.	And tek abotek An	por
	hotek Anbote And tek obotek	Anbott Am otek	Vipotek.
G.4.2	Denmark	Aupoles Aupo	N/A
, botek	Anbot An otek Anboten Anbo	k botek Anbore	Parent
	To the end of the subclause the following is	Ann stek anbotek	Anb
	added:	otek Anbo k A	ek o
tek Anb	And tek anbotek Anbo	hotek Anbote And	49
	Supply cords of single phase appliances	And tek abotek Ani	00.
	having a rated current not exceeding 13 A	Anbox Ali ntek	Arboten
	shall be provided with a plug according to DS	Anbotek Anbo	hotel
	60884-2-D1:2011.	k hotek Anbote	Aur
	Anbotek Anbot Anbote	Ann tek abotek	Anb
	CLASS I EQUIPMENT provided with socket-	otek Anbo k Ar	3.K
	outlets with earth contacts or which are	wotek Anboten Anb	No.
	intended to be used in locations where	Anbo Lok Botek Ant	20,0
	protection against indirect contact is required	Anbore Ans stek	anootek
	according to the wiring rules shall be provided	anbotek Anbo	wotek
	with a plug in accordance with standard sheet	k hotek Anboten	Ann
	DK 2-1a or DK 2-5a.	Yun Potek	Anbo
	K hotek Anbote And tek to	otek Anbore And	K.
	If a single-phase equipment having a RATED	otek Anbotek Anbo	N. Pr
	CURRENT exceeding 13 A or if a poly-phase	ho ok notek and	1010
	equipment is provided with a supply cord with	Anbote And tek	abotek
	a plug, this plug shall be in accordance with	notek Anbor A	An Lak





Page 60 of 68 Report No.: SZAIS190619008-01

Aupore	Ambotek Anbotek	National Differences	Anbores Anborek	Anbotek
Clause	Requirement + Test	Anbotek Anbotel	Result - Remark	Verdict

	ZB ANNEX (normative)		
or AL	SPECIAL NATIONAL CONDIT	Du San	atotek
Clause	Requirement + Test	Result - Remark	Verdi
	the standard sheets DK 6-1a in DS 60884-2-	Anbotes.	Kup
	D1 or EN 60309-2.	And Lek bote	K Anbor
	Mains socket outlets intended for providing	lek Aupore Au	atek an
	power to Class II apparatus with a rated	stek subotek Anb	-K
	current of 2.5 A shall be in accordance DS	oo k hotek b	hote
	60884-2-D1:2011 standard sheet DKA 1-4a.	Anbote, Ann Lok	botek
	Other current rating socket outlets shall be in		10K
	compliance with Standard Sheet DKA 1-3a or		
	DKA 1-1c.		bott
	Mains socket-outlets with earth shall be in		100
	compliance with DS 60884-2-D1:2011		ber.
	Standard Sheet DK 1-3a, DK 1-1c, DK1-1d,	otek a	upo-
	DK 1-5a or DK 1-7a.	upoten Aupo ok	hotek
	Justification:	botek Anbote	And
	Heavy Current Regulations, Section 6c	Ann tek abotek	Pupor
Vupo.	And Anbote And hotek	Anbor All	abote
6.4.2	United Kingdom	ek Anbotek Anbo	N/A
	Anbor An otek Anboren Anbo	ak botek Anbo	Ans
	To the end of the subclause the following is	ore And	tootek t
er Ant	added:	abotek Anbo K	"O'ex
	Anbore Ann tek apotek Anbo	" otek Anbote"	And
	The plug part of direct plug-in equipment shall	And Lok botek	ANDOLO
	be assessed to BS 1363: Part 1, 12.1, 12.2,	Anbore Ans	nbote
	12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and	ak abotek Anbo	-yr
	12.17, except that the test of 12.17 is	K Anbot	And
	performed at not less than 125 °C. Where the	oter And	botek p
	metal earth pin is replaced by an Insulated	botek Anbore An	Nek
	Shutter Opening Device (ISOD), the	arek anbotek	Anbo
	requirements of clauses 22.2 and 23 also	Anbo ak motek	Anbote
	apply.	Anbote And	abotel
abotek	Anbo K Motek Anbote Anb	L botek Anbore	Par.
6.7.1 "se ^N	United Kingdom	K notek vupot	N/A
	lek abotek Anbou All atek anb	oter Ando M.	ootek A
	To the first paragraph the following is added:	hotek Anbote, An	Yes
	poten Anboten Anboten A	tek abotek	Anbo,
	Equipment which is fitted with a flexible cable	Aupor Au	anboten
	or cord and is designed to be connected to a	noten Anbo	491





Page 61 of 68 Report No.: SZAIS190619008-01

Aupor	Anbotek Anbotek	National Differences	Anbore And hotek	Anbotek
Clause	Requirement + Test	k Anb otek Anbotel	Result - Remark	Verdict

botek And	ZB ANNEX (normative) SPECIAL NATIONAL CONDIT		ek A
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with	anbotek Anbotek Anbotek Anbotek	Anbotek
	the Plugs and Sockets etc (Safety) Regulations 1994, Statutory Instrument 1994	Jotek Anbotek Anbot	Sk W
	No. 1768, unless exempted by those regulations.	Anbotek Anbo tek ant	otek kek
	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an		botek
	approved plug conforming to BS 1363 or an approved conversion plug.	ok no	Anbo,
	ok hotek Anboten Anbo	abotek Anbote And	Nek
G.7.1	Ireland Anbotek Anbotek Anbotek	Anbotek Anbotek An	N/A
	To the first paragraph the following is added:	k Anbotek Anbotek	Anbotek
	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in	otek Anbotek Anbote	K An
hotek Ant	accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters	inbotek Anbotek Anb	olek olek
	for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of	Anbotek Anbotek	nbotek
	another Member State which is equivalent to the relevant Irish Standard.	otek Anbotek Anbotek	Anbot
G.7.2	Ireland and United Kingdom	hbotek Anbotek Anbo	N/A
	To the first paragraph the following is added:	Anbotek Anbotek A	nootek
	A power supply cord with a conductor of 1.25 mm ² is allowed for equipment which is rated	Anbotek Anbotek	Anbote
	over 10 A and up to and including 13 A.	tek Anbotek Anbotek	Anb
Vap.	w otek anbor All	boten Anby K.	488



Page 62 of 68 Report No.: SZAIS190619008-01

Aupote	Anbotek Anboten	National Differences	Anbore And hotek	Anbotek
Clause	Requirement + Test	K Anb botek Anbotel	Result - Remark	Verdict

ibotek And	ZC ANNEX (i A – DEVI	nformativ	ve)tek Anbotek Anbotek	Anbotek A
Clause	Requirement + Test	Work.	Result - Remark	Verdict
10.5.2	Germany The following requirement applies:	Anbotek Anbotek	Anbotek Anbo	N/Ash
	For the operation of any cathode ray intended for the display of visual image.	ages	Anbotek Anbotek	Anbotek Ar
	operating at an acceleration voltage 40 kV, authorization is required, or a of type approval (Bauartzulassung)	pplication		,botek
	marking.		NY	Anbo
	Justification: German ministerial decree against in radiation (Rötgenverordnung), in for	1111	Anbotek Anbotek	Anbolek
	2002-07-01, implementing the Europ Directive 96/29/EURATOM.		Anbotek Anbotek	Anbotek Anbotek
	NOTE Contact address:	k Anbot	kotek Aupotek Au	potek Anbot
otek Ar	Physikalisch-Technische Bundesans Bundesallee 100, D-38116 Braunsc Tel.: Int+49-531-592-6320, Internet:	hweig,	Anbotek Anbotek	Anbolek Anbolek
	http://www.ptb.de		Anbo otek Anbotek	Anbote



Page 63 of 68 Report No.: SZAIS190619008-01

Anbore	Anbotek Anboten	National Differences	Anbote Ans botek	Anbotek
Clause	Requirement + Test	And hotek Anbotel	Result - Remark	Verdict

	ZC ANNEX (informati	ive) Annual Annual	
pote.	A – DEVIATIONS	Anboten Anbo stek An	potek
Clause	Requirement + Test	Result - Remark	Verdic
F.1 Anboten	Italy Anbote Anbote And	K Anbotek Anbo	N/A
	Anbot An otek Anboten Anbo	ek botek Anbote	Ani
	The following requirements shall be fulfilled:	or An stek subotek	Anb
	tek abotek Anbor Am	mooten Anbo ak hot	ek p
	The power consumption in Watts (W) shall	hotek Anbote And	*eK
	be indicated on TV receivers and in their	And tek and	por
	instruction for use (Measurement according to)	ren
	EN 60555-2).		hotel
	Anbore		200
	Note/Nota EN 60555-2 has since been		Ambe
	replaced by IEC 60107-1:1997.	or	6.
	nbote Ann tek nbotek Anbot A	otek Anboten Anbo	.o.V
	TV receivers shall be provided with an	And Lotek Ani	ook
	instruction for use, schematic diagrams and	Anbore And dek	hotek
	adjustments procedure in Italian language.	k abotek Anbo	wotek
	Anbore And tek anbotek Anbo	K wotek Anbote	AUD
	Marking for controls and terminals shall be	and tek abotek	Aupo
	in Italian language. Abbreviation and	abotek Anbote Ans	14
tek a	international symbols are allowed provided	otek Anboten Anbo	10K
	that they are explained in the instruction for	inbo ok hotek Anb	000
	use.	Anbore And	botek
	Anbote Anbote Anbote tek	nbotek Anbo	Lotek
	The ECC manufacturers are bound to issue	A wotek Amboter	AUD
	a conformity declaration according to the	te And tek shotek	Anbo
	above requirements in the instruction manual.	botek Anbore And	4
	The correct statement for conformity to be	otek Anbotek Anbo	~/k
	written in the instruction manual, shall be:	Aup. Aup.	0
	Andrew Market Market Market	Anbote And	potek
	Questo apparecchio è fabbricato nella CEE	abotek Anbore A	otek.
	nel rispetto delle disposizioni del D.M. marzo	All otek Anbotek	Aupo
	1992 ed è in particolare conforme alle	te Anbo A wotek	Anbot
	prescrizioni dell'art. 1 dello stesso D.M.	bytek Anbote Anb	-
	Toler Aupo M. Pok spole, Mu	otek Anbore	Dec.



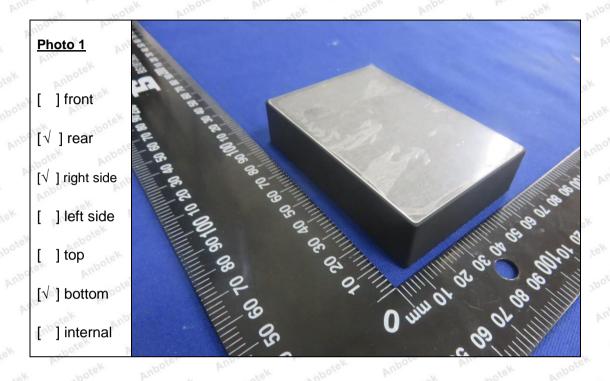
Page 64 of 68 Report No.: SZAIS190619008-01

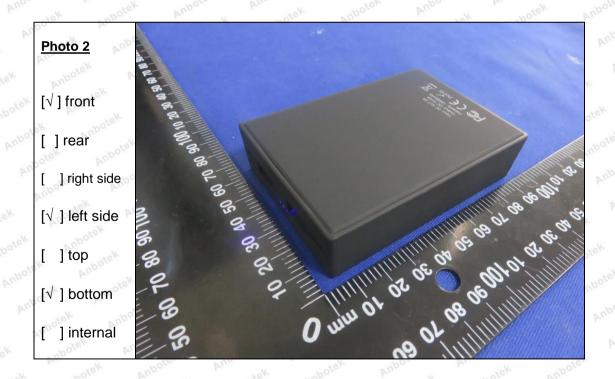
Anbore	Anbotek Anboten	National Differences	Anbote Ans botek	Anbotek
Clause	Requirement + Test	And hotek Anbotel	Result - Remark	Verdict

Ken Ando	botek Anbotek AZ	C ANNEX (info	rmativ	e)tek Anbos	Anbotek Ar
upore Ar	notek Anbotek	A – DEVIATI	ONS	Anbote And atek	nbotek
Clause	Requirement + Test			Result - Remark	Verdict
F.1 _{Anbotek}	The first importers of manufactured outside I submit the TV receivers	EEC are bound to	Anbotek	ek Anbotek Anbo	N/A
lek Vupo,	conformity certification			potek Anbore	Au otek ar
Anbotek An	Ministry (PP.TT). The Ton the backcover the cuthe following form:			Vupotek Vupoter	And tek
	D.M. 26/03/1992 xxxxx S for stereo T for Teletext	/xxxxx/S or T or p	Т		abote
	pT for retrofitable telete	ext cox		Anbotek Anbotek	Anbo. An
	Justification: Ministerial Decree of 26		ational	Anbotek Anbot	ek Arbotek
	rules for television rece	eivers trade.		k Anbotek Ani	por Anbot
potek Anbotek	NOTE/NOTA: Ministeri contains additional, but requirements		nt k ^{nt}	otek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek
F.1 _{botek}	 The first importers of manufactured outside is submit the TV receivers 	EEC are bound to	inbotek note	Anbotek Anbot	N/A
	conformity certification	to the Italian Post		otek Anbotek	Anbore Anh
	Ministry (PP.TT). The Ton the backcover the co	ertification numbe	rin	nbotek Anbotek	Anbolek A
	the following form:	Anbotek Anb	otek - rek	Ar. tek spote	k Anboten
Anbotek Anbotek	D.M. 26/03/1992 xxxxx S for stereo T for Teletext			Anbotek Anb	oten Anbotel
otek Anbr	pT for retrofitable telete	Octob Anbors	Anb.	hotek Anbotek	Anbotek A

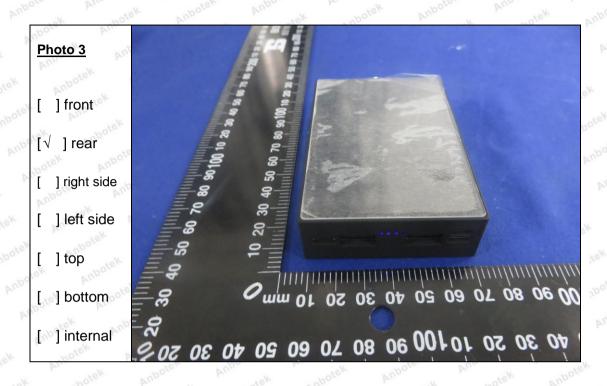


Photo



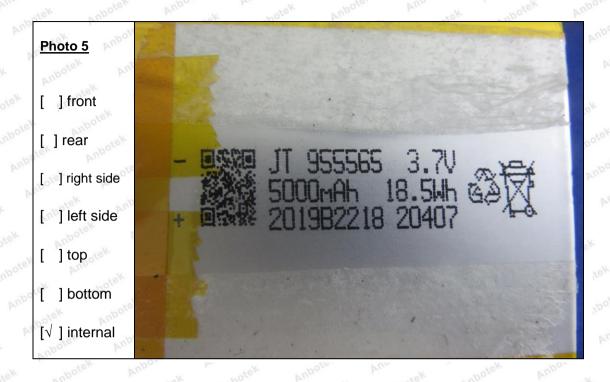


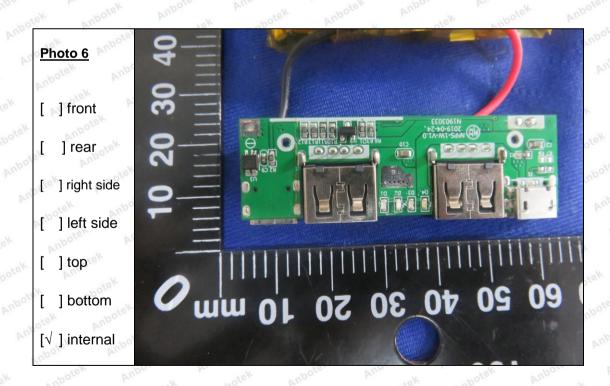






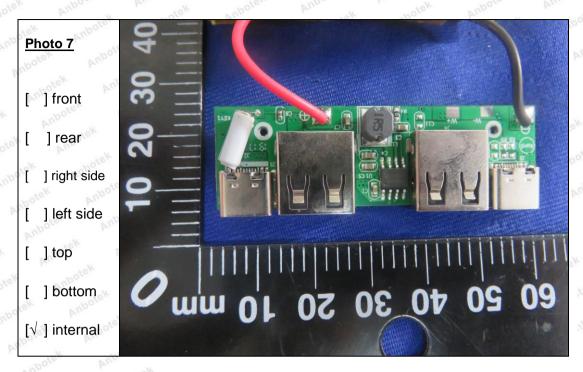












End of report