



TEST REPORT

Reference No	WTF24D09224572Y
17010101100 1401	VV 11 Z4D03ZZ431Z1

Applicant..... : Mid Ocean Brands B.V.

Hong Kong

Manufacturer.....: 118966

Address.....: --

Product.....: Wireless charger speaker

Model(s)..... : MO2513

Total pages: 67 pages and 3 pages of photo.

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample.... : 2024-09-27

Date of Test.....: 2024-09-27 to 2024-10-29

Date of Issue.....: 2024-11-12

Test Result.....: Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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Deval Qin / Designated Reviewer

Devalgin



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Trademark	Test item description	Wireless cha	rger speaker
Rating(s)	Trademark:	МОВ	
Input: DC9V / 3.0A Output: DC9V / 1.67A Remark: Whether parts of tests for the product have been subcontracted to other labs: Yes	Model and/or type reference:	MO2513	
Whether parts of tests for the product have been subcontracted to other labs: ☐ Yes ☐ No If Yes, list the related test items and lab information: Test items: Lab information: Summary of testing: Tests performed (name of test and test clause): - EN IEC 62368-1: 2020+A11: 2020 The submitted samples were found to comply with the requirements of above specification. Summary of compliance with National Differences (List of countries addressed): EU Group Differences ☐ The product fulfils the requirements of EN IEC 62368-1:2020+A11:2020. Use of uncertainty of measurement for decisions on conformity (decision rule): ☐ No decision rule is specified by the IEC standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method"). ☐ Other: (to be specified, for example when required by the standard or client, or if national accreditation requirements apply) Information on uncertainty of measurement: The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECCE. IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying	Rating(s):	Input: DC9V	, 3.0A
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IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying	The uncertainties of measurement are OD-5014 for test equipment and applic	calculated by	
the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.	IEC Guide 115 provides guidance on the decision rule when reporting tes measurement uncertainty for measure	st results with	in IECEE scheme, noting that the reporting of the
Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.		alues are on fi	le with the NCB and testing laboratory that conducted





Copy of marking plate:



Remark:

- 1. The above markings are the minimum requirements required by the safety standard. For the final production, the additional markings which do not give rise to misunderstanding may be added.
- 2. The CE marking and WEEE symbol should be at least 5.0mm and 7.0mm respectively in height.
- 3. According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.



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TEST ITEM PARTICULARS:	With any and any and the
Product group	
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ 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 □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ⋈ other: not Mains connected
Considered current rating of protective device as part of building or equipment installation:	☐ UK: 13 A; Others: 16 A;Location: ☐ building ☐ equipment☒ N/A
Equipment mobility:	 ☐ movable ☐ hand-held ☐ transportable ☐ direct plug-in ☐ stationary ☐ for building-in ☐ wall/ceiling-mounted ☐ SRME/rack-mounted ☐ other:
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC III □ OVC IV ⊠ other: not Mains connected
Class of equipment:	☐ Class I ☐ Class II ☐ Class III ☐ Not classified ☐
Access location:	N/A ☐ restricted access area☐ outdoor location ☐
Pollution degree (PD):	□ PD 1⊠ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	40°C Outdoor: minimum°C
IP protection class:	☑ IPX0 □ IP
Power Systems	☐ TN ☐ TT ☐ ITV L-L ☐ not AC mains
Altitude during operation (m):	⊠ 2000 m or less □m
Altitude of test laboratory (m):	⊠ 2000 m or less □ m
Mass of equipment (kg)	⊠ 0.321kg



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POSSIBLE TEST CASE VERDICTS:	and any any and any
- test case does not apply to the test object	: N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
TESTING:	who will be set the set
Date of receipt of test item	See cover page.
Date (s) of performance of tests	See cover page.
GENERAL REMARKS:	LIER MITER MITER WALL WALL WALL WALL
"(see Enclosure #)" refers to additional information as "(see appended table)" refers to a table appended to Throughout this report a ☐ comma / ☒ point is u GENERAL PRODUCT INFORMATION:	the report.
Product Description 1. The equipment with model MO2513 is Wireless ch 2. It is powered by USB-C port conformed to LPS or 3. The maximum operating temperature is 40°C. 4. For Wireless working, the input is 9V; When wirele	powered by rechargeable Li-ion Battery.
Model Differences N/A	
Additional application considerations – (Considerations)	rations used to test a component or sub-



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Clause	Possible Hazard			
5	Electrically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. ES3: Primary circuit)	(e.g. Ordinary)	В	S	R
ES1: All internal circuit	Ordinary	N/A	N/A	N/A
ES1: Lithium battery	Ordinary	N/A	N/A	N/A
6	Electrically-caused fire			
Class and Energy Source	Material part		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S
PS2: 15-100 Watt circuits (Input current)	РСВ	Equipment safeguards	N/A	N/A
PS1: <15 Watt circuits (Battery)	The other components/materials	N/A	N/A	N/A
7	Injury caused by hazardous	substances		
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: Edges and corners	Ordinary	N/A	N/A	N/A
MS1: Mass of the unit	Ordinary	N/A	N/A	N/A
9	Thermal burn			
Class and Energy Source	Body Part		Safeguards	
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
TS1: All accessible parts	Ordinary	N/A	N/A	N/A
10	Radiation			
Class and Energy Source	Body Part Safeguards			
(e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R
RS1: LED for indicating	Ordinary	N/A	N/A	N/A



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ENERGY SOURCE DIAGRAM

Indicate which energy sources are included in the energy source diagram. Insert diagram below

 $oxed{oxed}$ ES $oxed{oxed}$ PS $oxed{oxed}$ MS $oxed{oxed}$ TS $oxed{oxed}$ RS

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS



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AV 3		3, 1, 2, 3, 1, 1, 1, 1		
1 21/2		IEC 62368-1		
Clause	Requirement – Test	All the All the	Result – Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	₩P
4.1.2 MARCHARLES	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G	MLI P FEK WI WILLI WILLI
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	un P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	N/A
4.4.3.1	General	- 2 In 24	N/A
4.4.3.2	Steady force tests	THE THE LITTER STIFFE S	N/A
4.4.3.3	Drop tests	We me me and	N/A
4.4.3.4	Impact tests	THE STEET WITER WALTER WAL	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
in wi	Glass impact test (1J)	LIFE MITER MALTE MALTE WALLE	N/A
et et	Push/pull test (10 N)	a to the second	N/A
4.4.3.8	Thermoplastic material tests	WER WILL MUTT MUTT AND	N/A
4.4.3.9	Air comprising a safeguard		N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	E WILL MULL MULL MALL MALL	N/A
4.4.4	Displacement of a safeguard by an insulating liquid	No such liquid.	N/A
4.4.5	Safety interlocks	No such parts.	N/A
4.5	Explosion	WITE WITE WITE WALL OF	P
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	EK P
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	NN P



N/A

N/A

N/A

N/A

N/A

N/A N/A

Ρ

N/A

N/A

N/A

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Battery replacement test

30N force test with test probe

20N force test with test hook

Component requirements

Disconnect Device

Switches and relays

Drop test

Impact test

Crush test

Compliance

IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
Me	The transfer of	the city will will all	70
MITER	No harm by explosion during single fault conditions	(See Clause B.4)	et Pet
4.6	Fixing of conductors	See below	N/A
Liter WI	Fix conductors not to defeat a safeguard	itely litely writer writer	N/A
1 1	Compliance is checked by test	the the the transfer	N/A
4.7	Equipment for direct insertion into mains sock	Equipment for direct insertion into mains socket–outlets	
4.7.2	Mains plug part complies with relevant standard	Not direct plug-in equipment.	N/A
4.7.3	Torque (Nm)	ALTER INLIER WALLE WAS	N/A
4.8	Equipment containing coin/button cell batteries	S A	N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	TEX STEX WITH WITH	N/A
4.8.3	Battery compartment door/cover construction	1 24 24	N/A
WILL	Open torque test	EX SITER WITE WAITE W	N/A
4.8.4.2	Stress relief test	The state of	N/A

5	ELECTRICALLY-CAUSED INJURY		Р
5.2	Classification and limits of electrical energy sources		Р
5.2.2	ES1, ES2 and ES3 limits	MULT MUT MUT MILL	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	P
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A
5.2.2.7	Audio signals	m m m	Р
5.3	Protection against electrical energy sources	- Tell steel still sold	J.P

Likelihood of fire or shock due to entry of conductive object

4.8.4.3

4.8.4.4

4.8.4.5

4.8.4.6

4.8.5

4.9 4.10

4.10.1

4.10.2



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01	IEC 62368-1	D 4 D 4	11/ 11/1
Clause	Requirement – Test	Result – Remark	Verdict
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	The let the st	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	They show they are	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	NITER WALTER WALTER WALTER	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	P
WALLE	Accessibility to outdoor equipment bare parts	t lift wife wife wh	N/A
5.3.2.2	Contact requirements	7/1 // //	N/A
iner win	Test with test probe from Annex V	alter while while while	_
5.3.2.2 a)	Air gap – electric strength test potential (V)	n a to	N/A
5.3.2.2 b)	Air gap – distance (mm)	LIET MILE WALL MILE.	N/A
5.3.2.3	Compliance	s to the state	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	at the state of	Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	at the life	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	Р
5.4.1.5	Pollution degrees	ITE WALTE WALL WALL !	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	* TITER WITER WITER WY	N/A
5.4.1.5.3	Thermal cycling test	In the second	N/A
5.4.1.6	Insulation in transformers with varying dimensions	INLIER WALTE WALL WALL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	at at at at	N/A
5.4.1.8	Determination of working voltage	NITE WILL WILL WILL	N/A
5.4.1.9	Insulating surfaces	e at at let	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	Mary Mary Mary M	N/A
5.4.1.10.2	Vicat test	CHIER MALTE MALTE WAL	N/A
5.4.1.10.3	Ball pressure test	The state of the	N/A
5.4.2	Clearances	WITE MUTTE WALL WHILE	N/A
5.4.2.1	General requirements	L A A A	N/A
t wh	Clearances in circuits connected to AC Mains, Alternative method	The Marie Marie Marie	N/A
5.4.2.2	Procedure 1 for determining clearance	ex niter white white wh	N/A
All P	Temporary overvoltage	70 St Ct C	é —
5.4.2.3	Procedure 2 for determining clearance	alie alie anti anti	N/A



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Clause	IEC 62368-1	Decult Demonts	Verdict
Clause	Requirement – Test	Result – Remark	verdict
5.4.2.3.2.2	a.c. mains transient voltage	The she sh	
5.4.2.3.2.3	d.c. mains transient voltage	TEX STEX WITH	antie —
5.4.2.3.2.4	External circuit transient voltage	The the the	74 —
5.4.2.3.2.5	Transient voltage determined by measurement	SLIFE MITTER MITTER	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	TEX STEX STEX ON	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	t ret rifet wife	N/A
5.4.2.6	Clearance measurement	The The An	N/A
5.4.3	Creepage distances	LIEF NIET WITE	N/A
5.4.3.1	General	111 111 11	N/A
5.4.3.3	Material group	LIER CLIER WILLER	7, 7
5.4.3.4	Creepage distances measurement		N/A
5.4.4	Solid insulation	EL WILL MULE MAL	N/A
5.4.4.1	General requirements		N/A
5.4.4.2	Minimum distance through insulation	WALTE WALL WALL	N/A
5.4.4.3	Insulating compound forming solid insulation	A STATE	N/A
5.4.4.4	Solid insulation in semiconductor devices	in the same	N/A
5.4.4.5	Insulating compound forming cemented joints		N/A
5.4.4.6	Thin sheet material	in mur mur m	N/A
5.4.4.6.1	General requirements	of the the	N/A
5.4.4.6.2	Separable thin sheet material	Mur Mr. M.	N/A
anlie ani	Number of layers (pcs)	THE LITTE STEEL	N/A
5.4.4.6.3	Non-separable thin sheet material	an an an	N/A
The MULL	Number of layers (pcs)	TER LITER WITER	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material		N/A
5.4.4.6.5	Mandrel test	ne me m	N/A
5.4.4.7	Solid insulation in wound components	- THE THE LITTER	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	THE THE TEX	N/A
LEA LEA	Alternative by electric strength test, tested voltage (V), K _R	mer mer me	N/A
5.4.5	Antenna terminal insulation	LIEM MALTE WALL WA	N/A
5.4.5.1	General	a at at a	/ N/A
5.4.5.2	Voltage surge test	WALL WALL WALL	N/A
5.4.5.3	Insulation resistance (MΩ)	L A A	N/A



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IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
Mr.		EL WILL MILL MILL	are are
	Electric strength test		N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	MULTER MULTER MULTER ME	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NITER WHITER WALTER WHI	N/A
5.4.8	Humidity conditioning	at let set set	N/A
- TEX	Relative humidity (%), temperature (°C), duration (h)	MAT AND AND	4 -
5.4.9	Electric strength test	WILL MILL MILL	N/A
5.4.9.1	Test procedure for type test of solid insulation	at the left .	N/A
5.4.9.2	Test procedure for routine test	WILL MUTE MUTE AND	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIER WILER WILER WHILE	N/A
5.4.10.1	Parts and circuits separated from external circuits	1 tot of	N/A
5.4.10.2	Test methods	er write must must	N/A
5.4.10.2.1	General	at at at	N/A
5.4.10.2.2	Impulse test	MULL MULL MULL M	N/A
5.4.10.2.3	Steady-state test	at the s	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	- 1 My Any	N/A
5.4.11	Separation between external circuits and earth	ITE WITE WILL WILL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	A SITE MITER MITTER	N/A
5.4.11.2	Requirements	7/1 /2	N/A
Wer Mu	SPDs bridge separation between external circuit and earth	MILITEE WALTE WALTE VI	N/A
LIE WILL	Rated operating voltage U _{op} (V)	TEN TEN STEE MIT	_
st st	Nominal voltage U _{peak} (V)	L. M. M. D.	_
MULTE	Max increase due to variation ΔU _{sp}	EX SLIET SLIET STATES	.ui —
, et	Max increase due to ageing ΔU _{sa}	211 21 3	
5.4.11.3	Test method and compliance	CUTER MALLER MALLER	N/A
5.4.12	Insulating liquid	1 x x	N/A
5.4.12.1	General requirements	WILE MULL MULL MULL	N/A
5.4.12.2	Electric strength of an insulating liquid	a at at at	N/A
5.4.12.3	Compatibility of an insulating liquid	TE MUTE MUTE MUTE	N/A
5.4.12.4	Container for insulating liquid	at at at at	N/A
5.5	Components as safeguards	MALL MILL MILL	N/A
5.5.1	General What I was a second of the second of	No such components as safeguards.	N/A



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- "	IEC 62368-1	Vr. Chr. Mr. M.	200
Clause	Requirement – Test	Result – Remark	Verdict
5.5.2	Congeitors and PC units	it with mile our	NI/A
	Capacitors and RC units	10 10 10 10 10 10 10 10 10 10 10 10 10 1	N/A
5.5.2.1			N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	TEX TEX NUTER OF	N/A
5.5.3	Transformers	10. 10. 12.	N/A
5.5.4	Optocouplers	TER STER WITER WALL	N/A
5.5.5	Relays	711 211 2	N/A
5.5.6	Resistors	ALTER WITER WHITE	N/A
5.5.7	SPDs	The state of the s	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	WHITE WALLE WHILL W	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	STEE WALTER WAITER WA	N/A
A CLIEN	RCD rated residual operating current (mA)	at all the off	<u> </u>
5.6	Protective conductor	Must mer my	N/A
5.6.2	Requirement for protective conductors	t cet cet cres	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	LET WITER	N/A
5.6.3	Requirement for protective earthing conductors		N/A
LE MULLE	Protective earthing conductor size (mm²)	The tip of the sail	~
k NLTEK	Protective earthing conductor serving as a reinforced safeguard	* Tek Tek Tek	N/A
TEX.	Protective earthing conductor serving as a double safeguard	THE THE THE	N/A
5.6.4	Requirements for protective bonding conductors	Write Mrs. Mrs.	N/A
5.6.4.1	Protective bonding conductors	at at let	N/A
3,1	Protective bonding conductor size (mm²)	With Mury Aug And	_
5.6.4.2	Protective current rating (A)	et let let il	N/A
5.6.5	Terminals for protective conductors	Mr. Mr. Mr.	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	Juniter maries maries	N/A
INLTER JUN	Terminal size for connecting protective bonding conductors (mm)	NUTER WILLER	N/A
5.6.5.2	Corrosion	***	N/A
5.6.6	Resistance of the protective bonding system	LIE WALL WALL WAS	N/A
5.6.6.1	Requirements	1 1 1 1	N/A
5.6.6.2	Test Method	White Many Maria	N/A
5.6.6.3	Resistance (Ω) or voltage drop	a at at	N/A



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	IEC 62368-1	7, 71, 70, 2,	
Clause	Requirement – Test	Result – Remark	Verdict
5.6.7	Reliable connection of a protective earthing conductor		N/A
5.6.8	Functional earthing	me, me, me m	N/A
uret uni	Conductor size (mm²)	TEK TEK WEEK WITE	N/A
AL /1	Class II with functional earthing marking	The Pale Line Land	N/A
WILL	Appliance inlet cl &cr (mm)	TER STER STER WITE I	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	et alter miter uniter and	N/A
5.7.2.1	Measurement of touch current	20 2 x x	N/A
5.7.2.2	Measurement of voltage	ALTER WITE WALL MILE	N/A
5.7.3	Equipment set-up, supply connections and earth connections		N/A
5.7.4	Unearthed accessible parts		N/A
5.7.5	Earthed accessible conductive parts		N/A
5.7.6	Requirements when touch current exceeds ES2 limits	Tet It with	N/A
2. T	Protective conductor current (mA)	The Au Au	N/A
NITE WA	Instructional Safeguard	At STILL MITE	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	The last	N/A
5.7.7.1	Touch current from coaxial cables	in me me me	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	* Whitek whitek whitek on	N/A
5.7.8	Summation of touch currents from external circuits	DIFER MITER WHITE	N/A
LIEK MAL	a) Equipment connected to earthed external circuits, current (mA)	THE LIFE MITTER MITTER	N/A
EK SLIEK	b) Equipment connected to unearthed external circuits, current (mA)	at at at the	N/A
5.8	Backfeed safeguard in battery backed up supplies		N/A
INLIE .	Mains terminal ES	No battery used	N/A
2, ,	Air gap (mm)	Mr. Mr. Mr. An.	N/A

6	ELECTRICALLY- CAUSED FIRE Classification of PS and PIS		P P
6.2			JUL P. CO
6.2.2	Power source circuit classifications	PS (power source) classification determined by measuring the maximum power in Figures 34 and 35 for load and power source circuits. (See appended table 6.2.2)	P JUNITER



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-22,	IEC 62368-1	all the time the	to 12.
Clause	Requirement – Test	Result – Remark	Verdict
" Mar	W W The State of	the write wall and we	211
6.2.3	Classification of potential ignition sources	See the following details.	P
6.2.3.1	Arcing PIS	No Arcing PIS exist in the equipment	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	JILL P
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	P CEEL P
6.3.1			P EX WINTE
	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condit	tions	υ
6.4.1	Safeguard method	Control fire spread	Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	LIER WIFE WIFER MILE	N/A
6.4.3.1	Supplementary safeguards	The state of the s	N/A
6.4.3.2	Single Fault Conditions	Let Julie Will	N/A
st si	Special conditions for temperature limited by fuse		N/A
6.4.4	Control of fire spread in PS1 circuits	THE OUTE WALL WALLE	Р
6.4.5	Control of fire spread in PS2 circuits		⊕ P.
6.4.5.2	Supplementary safeguards	in internation with an	Р
6.4.6	Control of fire spread in PS3 circuits	1 1 1 1 1 1	N/A
6.4.7	Separation of combustible materials from a PIS	WILL MULL MULL MULL	N/A
6.4.7.2	Separation by distance	at the test	N/A
6.4.7.3	Separation by a fire barrier	No fire barrier used.	N/A
6.4.8	Fire enclosures and fire barriers	at all all all	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	mus mi ms m	N/A
6.4.8.2.1	Requirements for a fire barrier	- THE THE STATE OF	N/A
6.4.8.2.2	Requirements for a fire enclosure	me, me, me m	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	WALTER WALTER WALTER	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	at at at at	N/A
6.4.8.3.2	Fire barrier dimensions	rie mir mr, mr	N/A
6.4.8.3.3	Top openings and properties	at left left left.	N/A
27,	Openings dimensions (mm)	any any any an	N/A
6.4.8.3.4	Bottom openings and properties	at at the st	N/A



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21,	IEC 62368-1	ner were were	In 120,
Clause	Requirement – Test	Result – Remark	Verdict
Mr	An an a second	TER WITE WALL MALL IN	in an
at the	Openings dimensions (mm)	70° - 2	N/A
ang a	Flammability tests for the bottom of a fire enclosure	White White Mill white	N/A
Tite Will	Instructional Safeguard	TEK ITEK NITER MITE	N/A
6.4.8.3.5	Side openings and properties	the the the the	N/A
in mil.	Openings dimensions (mm)	TER STEEL WITER WITER W	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	t get iget sight si	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	MULT MAY AND ME	N/A
6.4.9	Flammability of insulating liquid	mer mer me me	N/A
6.5	Internal and external wiring	of get get get	TIP P
6.5.1	General requirements	The internal wires are complied with UL standard, of which the test method and testing condition are equal to IEC/EN 60695-11-21.	P TEX WILL
6.5.2	Requirements for interconnection to building wiring	See 6.5.1.	P
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A
6.6	Safeguards against fire due to the connection to additional equipment		Р
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	Р
7.2	Reduction of exposure to hazardous substance	es tree attended and the	N/A
7.3	Ozone exposure	Will do	N/A
7.4	Use of personal safeguards or personal protec	tive equipment (PPE)	N/A
et a	Personal safeguards and instructions	m T t st	_
7.5	Use of instructional safeguards and instruction	18 LIER MILE WALL MALE	N/A
Et LEY	Instructional safeguard (ISO 7010)	a state	_
7.6	Batteries and their protection circuits	iter ancie white with w	Р
. E.	TET TET STILL WIT MY AND AND		UF 18
8	MECHANICALLY-CAUSED INJURY		√/P
8.2	Mechanical energy source classifications	a the state of	Р
8.3	Safeguards against mechanical energy sources		Р
8.4	Safeguards against parts with sharp edges and	corners	P
8.4.1	Safeguards	PLIE MULL MULL MULL	Р
MALTER	Instructional Safeguard	MS1: Edges and corners of enclosure	P
8.4.2	Sharp edges or corners	Edges and corners of the	P



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Clause	Requirement – Test	Will Miles All Marie	Result – Remark	Verdict	

8.5	Safeguards against moving parts		N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
the with	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
ER OUTER	Moving MS3 parts only accessible to skilled person	at let let liet o	N/A
8.5.2	Instructional safeguard	and any and any	N/A
8.5.4	Special categories of equipment containing moving parts	t united united united unit	N/A
8.5.4.1	General	at at the set	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	antit mai ma ma	N/A
8.5.4.2.1	Protection of persons in the work cell	EX TEX TEX STEEL	N/A
8.5.4.2.2	Access protection override	in my my	N/A
8.5.4.2.2.1	Override system	ex tex strex outer and	N/A
8.5.4.2.2.2	Visual indicator	m. m. m.	N/A
8.5.4.2.3	Emergency stop system	LIET SLIET WITE WITE	N/A
NITEK MILI	Maximum stopping distance from the point of activation (m)	THE STATE OF THE S	N/A
TEK TIEK	Space between end point and nearest fixed mechanical part (mm):	T I I I I I I I I I I I I I I I I I I I	N/A
8.5.4.2.4	Endurance requirements	it mit wit me a	N/A
MULTER	Mechanical system subjected to 100 000 cycles of operation	t intiget whitek whitek whi	N/A
TEK N	- Mechanical function check and visual inspection	A ST ST ST	N/A
m m	- Cable assembly:	white will will you	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	Street intrest martest materials	N/A
8.5.4.3.1	Equipment safeguards	a start set	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	it will mit me m	N/A
8.5.4.3.3	Disconnection from the supply	- at at at s	N/A
8.5.4.3.4	Cut type and test force (N)	Mury Mar Aug My	N/A
8.5.4.3.5	Compliance	LEK TEK STEK STEK	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
IE MITE	Explosion test	TEX STEX STEEL STEEL	N/A
8.5.5.3	Glass particles dimensions (mm)	Mr. 24, 25,	N/A
8.6	Stability of equipment	EK LIEK OLIEK MILE MAL	N/A
8.6.1	General	MS1: Mass of the unit	N/A
wer we	Instructional safeguard:	iter alter oute with	N/A



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20.	IEC 62368-1	The state of the state of	10, 11,
Clause	Requirement – Test	Result – Remark	Verdict
8.6.2	Static stability	The comment of the co	N/A
8.6.2.2	Static stability test:	all the state of	N/A
8.6.2.3	Downward force test	MULL MAY MAY AND	N/A
J	the state of the s	THE THE WITH MAN	
8.6.3	Relocation stability	We all my	N/A
ier white	Wheels diameter (mm)	The still of the still	——————————————————————————————————————
	Tilt test	Mr. An An	N/A
8.6.4	Glass slide test	* STEP WITER WITE W	N/A
8.6.5	Horizontal force test	211, 211,	N/A
8.7	Equipment mounted to wall, ceiling or other stru	The state of the s	N/A
8.7.1	Mount means type	No wall or ceiling	N/A
8.7.2	Test methods	LIFE WITE WILL WILL	N/A
+ 11	Test 1, additional downwards force (N):		N/A
m, t	Test 2, number of attachment points and test force (N)	the marie mail mair	N/A
	Test 3 Nominal diameter (mm) and applied torque (Nm)	WHITEK WHITEK WHITEK WA	N/A
8.8	Handles strength	at the st	N/A
8.8.1	General	MS1, one handle	N/A
8.8.2	Handle strength test	The Little	N/A
, 4	Number of handles:	is my my m	
MITE	Force applied (N)	A TEX TEX STEEL	(1) (1) (1)
8.9	Wheels or casters attachment requirements	Mr. Mr. Mr.	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	24, 24, 24, 2	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	Et JEK JEK WITER	N/A
8.10.3	Cart, stand or carrier loading test	The The The	N/A
White is	Loading force applied (N)	- LIEN WILEY WILE M	N/A
8.10.4	Cart, stand or carrier impact test	m m	N/A
8.10.5	Mechanical stability	ALTER INLIER MALTE MALT	N/A
it is	Force applied (N)	The The Table	
8.10.6	Thermoplastic temperature stability	LIET MITE MALLER WALLE	N/A
8.11	Mounting means for slide-rail mounted equipme	ent (SRME)	N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	1 1 1	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
10/10	M. Marine M. A.	CE LIFE OLI ONLY	No Miles
	Instructional Safeguard	711 711 4	N/A
8.11.3	Mechanical strength test	ALTER MALTER MALTER	N/A
8.11.3.1	Downward force test, force (N) applied:	20 t at	N/A
8.11.3.2	Lateral push force test	WILL MALL MALL A	N/A
8.11.3.3	Integrity of slide rail end stops	at the little	N/A
8.11.4	Compliance	The Marie Marie Marie	N/A
8.12	Telescoping or rod antennas	st at alt all	N/A
1/1, 1	Button/ball diameter (mm):	No such parts	70,

9	THERMAL BURN INJURY		AL P
9.2	Thermal energy source classifications	the state of	Р
9.3	Touch temperature limits		Par
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	TEK PLT
9.3.2	Test method and compliance	See B.1.6 & B.2.3	+ Pot
9.4	Safeguards against thermal energy sources	LIFE WITE WALL WALL WALL	A ₁ ,b
9.5	Requirements for safeguards	ements for safeguards	
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	P W
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitte	ersit tet tree nitet mit	Р
9.6.1	General	the me in the	Р
9.6.2	Specification of the foreign objects	ex life alife while while	arch Par
9.6.3	Test method and compliance		P

10	RADIATION Radiation energy source classification		Р
10.2			P
10.2.1	General classification	See below	P
الاستناد	Lasers	LIFE SLIER WALTER WALTER	_
TEK WAL	Lamps and lamp systems	RS1: LED only for indicating use which is considered as low power application.	_
L LIEN	Image projectors	at let tet tet i	_
20,	X-Ray	Mr. Mr. Mr. M.	_
LIE	Personal music player	LEK TEK TEK NITE	_



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T.E. MUTT	Mr. West in in	IEC 62368-1	LIFE WITE WALTER	The Murie Maria
Clause	Requirement – Test	ANT. AL. A	Result – Remark	Verdict

10.3	Safeguards against laser radiation		N/A
mr. m	The standard(s) equipment containing laser(s) comply:	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamp (including LED types)	os and lamp systems	MILL P
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	LIER P
MALTER	Instructional safeguard provided for accessible radiation level needs to exceed	et street mirest mirest and	N/A
A	Risk group marking and location:	7/11 7/11 25	N/A
ner in	Information for safe operation and installation	alier while while	N/A
10.4.2	Requirements for enclosures	the state of the	N/A
N. M.	UV radiation exposure:	LIET WITE WILL WALL V	N/A
10.4.3	Instructional safeguard	and the second	N/A
10.5	Safeguards against X-radiation	TE WILL MILL WILL W	N/A
10.5.1	Requirements	No X-radiation	N/A
11/2 1	Instructional safeguard for skilled persons	Write Murit Mar Mar	_
10.5.3	Maximum radiation (pA/kg)	TEN TEN	_
10.6	Safeguards against acoustic energy sources	A My Au	N/A
10.6.1	General	THE LIEF	N/A
10.6.2	Classification	in my me my a	N/A
MILE	Acoustic output L _{Aeq,T} , dB(A):	ght the tiet which mi	N/A
عاد ا	Unweighted RMS output voltage (mV)::	The An In In	N/A
Write an	Digital output signal (dBFS):	THE SLIFE DUTER WALTER	N/A
10.6.3	Requirements for dose-based systems	Mr. Mr. Mr.	N/A
10.6.3.1	General requirements	LIER SLIER WILL WHILE	N/A
10.6.3.2	Dose-based warning and automatic decrease	s w	N/A
10.6.3.3	Exposure-based warning and requirements	TER MITER MALTE WALL WA	N/A
A ELECTRICAL PROPERTY AND A SECOND PROPERTY	30 s integrated exposure level (MEL30):	1 1 1 1	N/A
11/2 1	Warning for MEL ≥ 100 dB(A)	E WILL MILL MUST MILL	N/A
10.6.4	Measurement methods	at the lift lift	N/A
10.6.5	Protection of persons	Write Murit Muri Muri	N/A
TEX STE	Instructional safeguards	at the title the	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	rest with the way	N/A
10.6.6.1	Corded listening devices with analogue input	TER WILL MUTE MUTE AND	N/A
TEX.	Listening device input voltage (mV)	and the second	N/A
10.6.6.2	Corded listening devices with digital input	NITE MILL WALL WALL	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
7/1°	Max. acoustic output L _{Aeq,T} , dB(A):	the main way on the w	N/A	
10.6.6.3	Cordless listening devices	ALTER MITE WATER WATER	N/A	
et .	Max. acoustic output L _{Aeq,T} , dB(A)	Silver A A A	N/A	

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		P
B.1	General	is my my m	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	mr m m	Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	on P
LIEK WAL	Audio Amplifiers and equipment with audio amplifiers	LIET WILLEY WILLEY	N/A
B.2.3	Supply voltage and tolerances	Rated input 9Vdc	of P
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	L St. St. Alt. St.	P
B.3.1	General	(See appended table B.3)	A, b
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
1, 2,	Instructional safeguard	- 1 July m	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3)	N/A
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	P
B.3.8	Safeguards functional during and after abnormal operating conditions:	All safeguards remained effective	P
B.4	Simulated single fault conditions	With My My My	Р
B.4.1	General	CH THE STEE STEEL OF	P
B.4.2	Temperature controlling device	NTC used on battery protective board. The test is carried out for three times, no failure. See appended table B.4 for details	Y P WALTE
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	TE P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	P
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A



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211.	IEC 62368-1	VILL WAT WAT WATER	21, 20,
Clause	Requirement – Test	Result – Remark	Verdict
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	P
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	P
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A
B.4.8	Compliance during and after single fault conditions	No change to circuits classified in 5.3	P
B.4.9	Battery charging and discharging under single fault conditions	See annex M	JI P
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV re	adiation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	et let let al	N/A
C.2	UV light conditioning test		
C.2.1	Test apparatus	At The Life Stiff	N/A
C.2.2	Mounting of test samples	2 24 24	N/A
C.2.3	Carbon-arc light-exposure test	TE TE STITE STITE	N/A
C.2.4	Xenon-arc light-exposure test	241. 241. 24.	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators		N/A
D.2	Antenna interface test generator	alies while while while	N/A
D.3	Electronic pulse generator	Sur an at the	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	W. bau
E.1	Electrical energy source classification for audio	o signals	P P
	Maximum non-clipped output power (W)	ier until motit mut v	_L
TEX	Rated load impedance (Ω):	L At At At S	_
20,000	Open-circuit output voltage (V)	MULL MULL MULL MILL	_
CLIEF C	Instructional safeguard	let tet tet tet tie	_
E.2	Audio amplifier normal operating conditions	mer me me m	Р
IER WILL	Audio signal source type:	TEX TEX LIEX OUTER	_
, , , t	Audio output power (W)	The My M	_
White	Audio output voltage (V)	et liet aliet alies of	\$
d+	Rated load impedance (Ω)	Mr. An An A	_
on Live at	Requirements for temperature measurement	TER STER WITE WITE	N P



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Clause	Requirement Test	Result – Remark	Verdict
Ciause	Requirement – Test	Vezair – Veiligik	verdict
E.3	Audio amplifier abnormal operating conditions	W W W W	P
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	Р
F.1	General W	TEX STEX NITER MITE	MALT P
الد عد	Language	English	_
F.2	Letter symbols and graphical symbols	TEX SITEX WITE MUTE W	P.
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	EK P
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	uniPi
F.3	Equipment markings	ure mur me me	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	TER PL
F.3.2	Equipment identification markings	See below for details.	Р
F.3.2.1	Manufacturer identification	See copy of marking plate	P
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	See below for details.	Pir
F.3.3.1	Equipment with direct connection to mains	Supplying by 9Vdc	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	Р
F.3.3.3	Nature of the supply voltage:	See copy of marking plate	P
F.3.3.4	Rated voltage:	See copy of marking plate	n P
F.3.3.5	Rated frequency	The state of the state of	N/A
F.3.3.6	Rated current or rated power	See copy of marking plate	N. Pa
F.3.3.7	Equipment with multiple supply connections	Single supply connection.	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	c at at at a	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	must mer me me	N/A
F.3.5.2	Switch position identification marking:	MITER MALLE MALLE WALL	N/A
F.3.5.3	Replacement fuse identification and rating markings	TEX SIEK SLIEK WLIEK	N/A
+ 4	Instructional safeguards for neutral fuse:	20, 20, 2	N/A
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	Life NITE WILL MILL	N/A



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01	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	my my my	N/A
F.3.6.1.1	Protective earthing conductor terminal	TEX STEX STEX WITE	N/A
F.3.6.1.2	Protective bonding conductor terminals	W. M. M. M.	N/A
F.3.6.2	Equipment class marking:	TEX STEEL WILL NOTE IN	N/A
F.3.6.3	Functional earthing terminal marking	24 24	N/A
F.3.7	Equipment IP rating marking	This equipment is classified as IPX0.	71 <u>17</u> 7
F.3.8	External power supply output marking:	THE STEE STEE WITE	N/A
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	P
F.3.10 FEX	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec, with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible.	TEK PANALIEK ANDEREK A
F.4	Instructions	E MULL MULL MULL MULL	Р
- STEK O	a) Information prior to installation and initial use	See user manual	Р
an an	b) Equipment for use in locations where children not likely to be present	men and the my	N/A
r. 245	c) Instructions for installation and interconnection	RITE WALL WALL WALL	N/A
EX WALTER	d) Equipment intended for use only in restricted access area	EX STEX WITH WITH M	N/A
- Jet	e) Equipment intended to be fastened in place	20 T X	N/A
Mur. M	f) Instructions for audio equipment terminals	" " TIER " WILL " MULL " MULL	√/P
LEF C	g) Protective earthing used as a safeguard	1 1 11 11	N/A
ing an	h) Protective conductor current exceeding ES2 limits	MILLE MULL MULL MULL	N/A
WALTE	i) Graphic symbols used on equipment	JEX STEK WITE WITE	N/A
A WITER	j) Permanently connected equipment not provided with all-pole mains switch	at the test with a	N/A
A BA	k) Replaceable components or modules providing safeguard function	What will all the	N/A



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- "	IEC 62368-1	or any an	
Clause	Requirement – Test	Result – Remark	Verdict
- ch-	Equipment containing insulating liquid	te min me	N/A
- CLIEB		TEN TEN TEN	N/A
F.5		They have me	P
г.э G	Instructional safeguards COMPONENTS	<u> </u>	MA P
G.1	Switches	<i>y</i> .	N/A
G.1.1	General	No switch used	N/A
G.1.1		No switch used	N/A N/A
G.1.2 G.1.3	Ratings, endurance, spacing, maximum load	t the night of the	N/A N/A
G.1.3 G.2	Test method and compliance	"NL" 211 An.	N/A
· · · · · · · · · · · · · · · · · · ·	Relays	No relevationed	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
G.2.1	Requirements Overland test	No relay used.	N/A
G.2.2	Overload test	LIES MILES WITE SWI	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	a at the little	N/A
G.2.4	Test method and compliance	E WHILE AND WILL	N/A
G.3	Protective devices	L of the the	N/A
G.3.1	Thermal cut-offs	No such component	N/A
INLTER WA	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	Whitek we	N/A
TEX WALTE	Thermal cut-outs tested as part of the equipment as indicated in c)	TE LIE GLIF MI	N/A
G.3.1.2	Test method and compliance	201 201	N/A
G.3.2	Thermal links	No such component	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	THE THE LITTLE	N/A
4	b) Thermal links tested as part of the equipment	m, m m	N/A
G.3.2.2	Test method and compliance	TEX STEX NUTER IN	N/A
G.3.3	PTC thermistors	No such component	N/A
G.3.4	Overcurrent protection devices	No such component	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	the set set	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	The tit tilt	N/A
G.3.5.2	Single faults conditions:	WHILL MUTE MITE A	N/A
G.4	Connectors	at let let i	N/A
G.4.1	Spacings	No such component	N/A
G.4.2	Mains connector configuration:	It THE THE THE	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	mr mr mr	N/A



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IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
ah.	An	TER WITE WITE MALL	me m
G.5	Wound components	, , , , , , , , , , , , , , , , , , ,	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	1 t st	N/A
G.5.2	Endurance test	WILL WALL AND	N/A
G.5.2.1	General test requirements		N/A
G.5.2.2	Heat run test	THE MULTE WHITE WALL	N/A
	Test time (days per cycle):	L at all let	
20, 1	Test temperature (°C):	MULL MULL MULL	1/1,
G.5.2.3	Wound components supplied from the mains	. Let Jet	N/A
G.5.2.4	No insulation breakdown	The Mr. M. O	N/A
G.5.3	Transformers	LET THE LIFE OF	N/A
G.5.3.1	Compliance method	her the the the	N/A
UNLIV	Position	EX TEX STEX OUTE	N/A
*	Method of protection	The The The	N/A
G.5.3.2	Insulation	y tiek while while	N/A
*	Protection from displacement of windings:	111111111111111111111111111111111111111	
G.5.3.3	Transformer overload tests	Wife in	N/A
G.5.3.3.1	Test conditions		N/A
G.5.3.3.2	Winding temperatures	IE MIL WALL WALL	N/A
G.5.3.3.3	Winding temperatures - alternative test method	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.5.3.4	Transformers using FIW	The WALLE WALL WALL	N/A
G.5.3.4.1	General	at at at	N/A
m. m	FIW wire nominal diameter:	WHITE WALL WALL V	
G.5.3.4.2	Transformers with basic insulation only	at at at	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	With Muty Mile My	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite	THE CLIFE WITE WALL	N/A

G.5	Wound components	7/1 7/1	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	201 1	N/A
G.5.2	Endurance test	NITER WITE WALLE WAL	N/A
G.5.2.1	General test requirements		- N/A
G.5.2.2	Heat run test	THE WALL MALL WALL	N/A
- Jek	Test time (days per cycle):	L A ST SET	_
112 1	Test temperature (°C):	white whi whi	
G.5.2.3	Wound components supplied from the mains	at at the	N/A
G.5.2.4	No insulation breakdown	MULL MULL MULL MI	N/A
G.5.3	Transformers	at let let ut	N/A
G.5.3.1	Compliance method:	her me me me	N/A
et antie	Position:	et let liet liet	N/A
	Method of protection:	m, m m	N/A
G.5.3.2	Insulation	TEN JEEN MITER	N/A
, t	Protection from displacement of windings:	10, 10, 10, 10	
G.5.3.3	Transformer overload tests	THE MITTER WAS	N/A
G.5.3.3.1	Test conditions		N/A
G.5.3.3.2	Winding temperatures	I'E WITE WALL WALLE	N/A
G.5.3.3.3	Winding temperatures - alternative test method		ø N/A ø
G.5.3.4	Transformers using FIW	A MITE WALL WALL	N/A
G.5.3.4.1	General	1 1 1	N/A
me in	FIW wire nominal diameter:	WILL WALL MALL WILL WI	_
G.5.3.4.2	Transformers with basic insulation only	at at at a	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	WE MAN THE THE	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	anti unti unti	N/A
G.5.3.4.5	Thermal cycling test and compliance	the still nation shift s	N/A
G.5.3.4.6	Partial discharge test	20 T	N/A
G.5.3.4.7	Routine test	CLIEB WITE WALLE WA	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	LIE WALL WALL WALL	N/A
G.5.4.2	Motor overload test conditions	1 1 st st	N/A
G.5.4.3	Running overload test	White whit whi	N/A
G.5.4.4.2	Locked-rotor overload test	L 14 15	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
- m	 	EL MILL MILL MILL	The Ann
Jet .	Test duration (days):	* * *	
G.5.4.5	Running overload test for DC motors	WILL MULL WILL	N/A
G.5.4.5.2	Tested in the unit		N/A
G.5.4.5.3	Alternative method	Will all har me	N/A
G.5.4.6	Locked-rotor overload test for DC motors	A A A A S	N/A
G.5.4.6.2	Tested in the unit	LE MULL MULL MULL	N/A
- Clerk	Maximum Temperature:	e at all all	N/A
G.5.4.6.3	Alternative method	Mer Mer Mer	N/A
G.5.4.7	Motors with capacitors	at let out	N/A
G.5.4.8	Three-phase motors	mer, mer, me, a	N/A
G.5.4.9	Series motors	Jet Jet Jet a	N/A
	Operating voltage	ir we we we	_
G.6	Wire Insulation	elt itet liter site	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	TEN LITER BLIEF	N/A
G.7	Mains supply cords	11, 21, 23,	N/A
G.7.1	General requirements	No such component	N/A
at all	Туре:		,t -
G.7.2	Cross sectional area (mm² or AWG):	THE RITE WITE WILL	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	t lik lik mil	N/A
G.7.3.2	Cord strain relief	24 24 2	N/A
G.7.3.2.1	Requirements	LIER NITER MITER	N/A
	Strain relief test force (N)	40 40 40	N/A
G.7.3.2.2	Strain relief mechanism failure	LIER NITER WALLEN	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	211 20 2	A N/A
G.7.3.2.4	Strain relief and cord anchorage material	IEC NITER WALTER WALT	N/A
G.7.4	Cord Entry	, , , , , , , , , , , , , , , , , , ,	N/A
G.7.5	Non-detachable cord bend protection	INLIE MALIE WALLE	N/A
G.7.5.1	Requirements	1 A A	N/A
G.7.5.2	Test method and compliance	WILL WILL MULL ON	N/A
TEKWALTE	Overall diameter or minor overall dimension, <i>D</i> (mm)	TEX OLIEK WILEK WAY	TEK -
t st	Radius of curvature after test (mm)	70. 70. 2	_
G.7.6	Supply wiring space	CHARLES NATE	N/A
G.7.6.1	General requirements	41. 42. 2.	IN/A



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Clause	Requirement – Test	Result – Remark	Verdict	
G.7.6.2	Stranded wire	the the way one we	NI/A	
		at the tit of	N/A	
G.7.6.2.1	Requirements	They are are my	N/A	
G.7.6.2.2	Test with 8 mm strand	The second second	N/A	
G.8	Varistors	With Authority Authority	N/A	
G.8.1	General requirements	No such component	N/A	
G.8.2	Safeguards against fire	in mi mi m	N/A	
G.8.2.1	General	t the text text to	N/A	
G.8.2.2	Varistor overload test	The Aug Aug Aug	N/A	
G.8.2.3	Temporary overvoltage test	Lit jet jet jet	N/A	
G.9	Integrated circuit (IC) current limiters	Mer Mer My M	N/A	
G.9.1	Requirements	No such component	N/A	
	IC limiter output current (max. 5A)	in the the the	_	
	Manufacturers' defined drift:	EX TEX STEX STEED ST	_	
G.9.2	Test Program	14, 14, 14,	N/A	
G.9.3	Compliance	TEN STEEL WITE WITE	N/A	
G.10	Resistors	an In In	N/A	
G.10.1	General	No such component	N/A	
G.10.2	Conditioning	The second	N/A	
G.10.3	Resistor test	TEN CLIE WILL WHILE	N/A	
G.10.4	Voltage surge test	The state of	N/A	
G.10.5	Impulse test	A WILL AVILLE MULLE MU	N/A	
G.10.6	Overload test		N/A	
G.11	Capacitors and RC units	WILL NOTE MUTTE MALL	N/A	
G.11.1	General requirements	No such component	N/A	
G.11.2	Conditioning of capacitors and RC units	RITER WALLE WALL WALL	N/A	
G.11.3	Rules for selecting capacitors	a at at at	N/A	
G.12	Optocouplers	The way we will	N/A	
WILLER	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A	
All C	Type test voltage V _{ini,a} :	a at at all	_	
11/2	Routine test voltage, V _{ini, b} :	WILL MULL MULL MULL	_	
G.13	Printed boards	at let let let	T P N	
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	P	
G.13.2	Uncoated printed boards	The Tay of the	N/A	
G.13.3	Coated printed boards	TER STEE STEE STEE	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict
The .	an an analysis of the state of	TER MILL MALL MALL	21/20 21/1
G.13.4	Insulation between conductors on the same inner surface	THE THE LINE	N/A
G.13.5	Insulation between conductors on different surfaces	Mus My M	N/A
20	Distance through insulation	WILL MULL MAN MAN	N/A
EX NIET	Number of insulation layers (pcs)	at at at of	<i>#</i> _
G.13.6	Tests on coated printed boards	in mer me me	N/A
G.13.6.1	Sample preparation and preliminary inspection	ct rest the treet	N/A
G.13.6.2	Test method and compliance	me me m	N/A
G.14	Coating on components terminals	The lift still	N/A
G.14.1	Requirements	211. 211. 21.	N/A
G.15	Pressurized liquid filled components	IER SITER WITER WY	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	TEX SLIET WALTE WALTE	N/A
G.15.2.1	Hydrostatic pressure test	70 7 74	N/A
G.15.2.2	Creep resistance test	CITE WITH WALL	N/A
G.15.2.3	Tubing and fittings compatibility test		N/A
G.15.2.4	Vibration test	Maria M	N/A
G.15.2.5	Thermal cycling test		o N/A
G.15.2.6	Force test	LIE WHILL WALL WALL	N/A
G.15.3	Compliance	t at at all	N/A
G.16	IC including capacitor discharge function (ICX)	Music Music Music	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
20 0	ICX with associated circuitry tested in equipment	mer, mer mer	N/A
LIE MIT	ICX tested separately	TEX TEX STER ON	N/A
G.16.2	Tests	the me me m	N/A
MULTE	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	LIEK MALIEK MALIEK MALI	n –
WALTER	Mains voltage that impulses to be superimposed on	LALIER MALIER MALIER	whit -
INLIEK WIN	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test:	liet outet writer	NITEK -
G.16.3	Capacitor discharge test:	Ju. 24. 25. 2	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNAL	S	N/A
H.1	General Control of the Control of th).	N/A
H.2	Method A	TER WITE WALTE WALTE	N/A
H.3	Method B		N/A



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz):	at at let let	_
H.3.1.2	Voltage (V)		_
H.3.1.3	Cadence; time (s) and voltage (V):	EK TEK TEK STEK	_
H.3.1.4	Single fault current (mA):	in the sail	_
H.3.2	Tripping device and monitoring voltage	t jet stet nitet miter an	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	and an artist active	N/A
H.3.2.2	Tripping device	mur mur mur mi	N/A
H.3.2.3	Monitoring voltage (V):	THE THE LITTER SLITER	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		N/A
J.1	General	it must must must a	N/A
. CLIFE	Winding wire insulation:	the test state of	s —
70, 0	Solid round winding wire, diameter (mm):	Mr. Mr. Mr. M.	N/A
nlife. Dinl	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	MALTER WALTE	N/A
J.2/J.3	Tests and Manufacturing	The State	NITEK I
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		
SV.	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard med	hanism	N/A
K.3	Inadvertent change of operating mode	the left that	N/A
K.4	Interlock safeguard override	her mer mer me	N/A
K.5	Fail-safe	et let let let	N/A
K.5.1	Under single fault condition	me me me	N/A
K.6	Mechanically operated safety interlocks	H JEH JEH WIEK IN	N/A
K.6.1	Endurance requirement	111, 111, 11, 11	N/A
K.6.2	Test method and compliance	TEX SIEK OLITER SPLIN	N/A
K.7	Interlock circuit isolation	my my	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	LIFE WHITE WHITE WHITE	N/A
MALTER	In circuit connected to mains, separation distance for contact gaps (mm)	EL WALLER WALLER OF	N/A
	In circuit isolated from mains, separation distance for contact gaps (mm):	LIEK SLIEK SLIEK MILE	N/A



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
Mer	Mr. Mr. S. Later M.	the write while and	201	
MITER	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A	
K.7.2	Overload test, Current (A):	Mrs. Mrs. Mr. Mr.	N/A	
K.7.3	Endurance test	TEX LIEX NUTER MUTER	N/A	
K.7.4	Electric strength test	We all to a	N/A	
L	DISCONNECT DEVICES		N/A	
L.1	General requirements	711 111	N/A	
L.2	Permanently connected equipment	* SIER WITE WITE WITE WHI	N/A	
L.3	Parts that remain energized	An In It Is	N/A	
L.4 🐠	Single-phase equipment	ALTER MILE WALLE	N/A	
L.5-	Three-phase equipment	The state of	N/A	
L.6	Switches as disconnect devices	LIFE WILLE WILL WILL	N/A	
L.7	Plugs as disconnect devices	e to the	N/A	
L.8	Multiple power sources	es unit mui m	N/A	
JEK.	Instructional safeguard:	at at at a	N/A	
M	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	Р	
M.1	General requirements		νP	
M.2	Safety of batteries and their cells	2 Aug Aug	Р	
M.2.1	Batteries and their cells comply with relevant IEC standards:	Approved battery pack used	RI BI	
M.3	Protection circuits for batteries provided within the equipment	* THE MALES WALTER WAY	EK P.	
M.3.1	Requirements	7 × × ×	P	
M.3.2	Test method	CLIEB WILL WILL MILL	△ P	
LITES MINL	Overcharging of a rechargeable battery	(See appended table Annex M)	WALTE P	
EK MLTEK	Excessive discharging	(See appended table Annex M)	TEK P	
CLER	Unintentional charging of a non-rechargeable battery	No such battery used	N/A	
701. 7	Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A	
M.3.3	Compliance	No chemical leakage, no spillage of liquid, no explosion of the battery, no emission of flame or expulsion of molten metal	WITE W	
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	Р	
M.4.1	General	CH KET TEN JE	Р	



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20,	IEC 62368-1	in the all the a	a do
Clause	Requirement – Test	Result – Remark	Verdict
M.4.2	Charging safeguards	Under normal operating conditions, abnormal operating conditions or single fault conditions, the charging voltage, charging current of the battery no exceed the maximum specified charging voltage and maximum specified charging current.	P P V V V V V V V V V V V V V V V V V V
M.4.2.1	Requirements	t at all out of	N/A
M.4.2.2	Compliance:	(See appended table M.4.2)	Р
M.4.3	Fire enclosure:	V-0 fire enclosure used	Р
M.4.4	Drop test of equipment containing a secondary lithium battery	where where the text item	Р
M.4.4.2	Preparation and procedure for the drop test	LIE WALL WALL WALL	P
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	The voltage difference not exceed 5%.	JEK PA
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	F P
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	MILT P
M.4.4.6	Compliance	+ 11t	P
M.5	Risk of burn due to short-circuit during carrying		Р
M.5.1	Requirement	No bare conductive terminal used	P
M.5.2	Test method and compliance		N/A
M.6	Safeguards against short-circuits		₩ P
M.6.1	External and internal faults	at at let let	N/A
M.6.2	Compliance	The battery complied with IEC 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	P
M.7	Risk of explosion from lead acid and NiCd batteries		N/A
M.7.1	Ventilation preventing explosive gas concentration	No such battery used	N/A
A 4	Calculated hydrogen generation rate:	The my my man	N/A
M.7.2	Test method and compliance	THE STEE WITER SMITE	N/A
+ et	Minimum air flow rate, Q (m³/h)	24 24 34	N/A
M.7.3	Ventilation tests	ex rifer while while wh	N/A
M.7.3.1	General		N/A
M.7.3.2	Ventilation test – alternative 1	THE NITE ONLY WALL	N/A



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01	IEC 62368-1		N
Clause	Requirement – Test	Result – Remark	Verdict
- CA-	Hydrogen gas concentration (%)	Mur Aur Aur in	N/A
M.7.3.3	Ventilation test – alternative 2	LITER NATER MALE MALE	N/A
. A	Obtained hydrogen generation rate	The state of	N/A
M.7.3.4	Ventilation test – alternative 3	ALTER WILL WALL WALL	N/A
Et LE	Hydrogen gas concentration (%)	a start	N/A
M.7.4	Marking:	TE WALTE WALL WALL TO	N/A
M.8	Protection against internal ignition from external spark sources of batteries with aqueous electrolyte		N/A
M.8.1	General	The state of	N/A
M.8.2	Test method	OLITE MILE WALL WALL	N/A
M.8.2.1	General	The life life	N/A
M.8.2.2	Estimation of hypothetical volume V_Z (m ³ /s):	LIER WALL WALL WALL	31 _ 2
M.8.2.3	Correction factors:	+ A A A	56th -
M.8.2.4	Calculation of distance d (mm)	antit met met m	70,
M.9	Preventing electrolyte spillage	L JEH JEH JEH J	N/A
M.9.1	Protection from electrolyte spillage	MULT AUG AUG AUG	N/A
M.9.2	Tray for preventing electrolyte spillage	AL THE MITTER	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	The last	N/A
10	Instructional safeguard	The Maria August A	N/A
N STEEL	ELECTROCHEMICAL POTENTIALS	of let let liter in	N/A
-20,	Material(s) used	Mur. Mur. My. M.	\ <u>``</u> _
0.50	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES		N/A
	Value of X (mm):	Mur Mr. Mr. Mr.	
P WILL	SAFEGUARDS AGAINST CONDUCTIVE OBJECTS		JELL P.
P.1	General	See below	P
P.2	Safeguards against entry or consequences of e	entry of a foreign object	Р
P.2.1	General	n n	↓ P
P.2.2	Safeguards against entry of a foreign object	MITER WITE WALL AND	√P
LEX.	Location and Dimensions (mm)	No opening.	, 1 ²
P.2.3	Safeguards against the consequences of entry of a foreign object	Multer Multer Multer Multer	N/A
P.2.3.1	Safeguard requirements	THE STIFF WITH SUNTY	N/A
y antiek	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	et tet tet utet	N/A
	Transportable equipment with metalized plastic parts	un un un un	N/A



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01	IEC 62368-1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Clause	Requirement – Test	Result – Remark	Verdict
P.2.3.2	Consequence of entry test:	me me me	N/A
P.3	Safeguards against spillage of internal liquids	alies mile while while	N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	alter with wall wall	N/A
P.3.3	Spillage safeguards	a start	N/A
P.3.4	Compliance	TE WALTE WALL WALL TO	N/A
P.4	Metallized coatings and adhesives securing pa	rts	N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	at at the th	N/A
21 - 22	Conditioning, T _C (°C)	White Mer My My	
LIEN INL	Duration (weeks)	IN THE TEN STEEL	NUTER N
Q	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A
Q.1	Limited power sources	Et TET TET STEE	N/A
Q.1.1	Requirements	Mr. Mr. M.	N/A
NUTLE A	a) Inherently limited output	TER STEE WITE WALL	N/A
*	b) Impedance limited output	THE THE THE THE	N/A
Write My	c) Regulating network limited output	Let Mill White	N/A
at a	d) Overcurrent protective device limited output		N/A
The	e) IC current limiter complying with G.9	ITE OLITE WALL WALL V	N/A
Q.1.2	Test method and compliance	a de de	N/A
aller	Current rating of overcurrent protective device (A)	A WILLE MULLE MULL MU	N/A
- 1704			- 32+
Q.2	Test for external circuits – paired conductor cable	White white white white	N/A
LITER MAI	Maximum output current (A)	TEX ITEX SITEX MITTER	N/A
4 1	Current limiting method	in m. m. m.	\
R	LIMITED SHORT CIRCUIT TEST	TEK STEK STEK WITE ON	N/A
R.1	General de la company de la co	No such consideration.	N/A
R.2	Test setup	- cites nites intitional	N/A
J.J.	Overcurrent protective device for test:	20 T A A	
R.3	Test method	WILL WILL MULL MULL	N/A
LEF X	Cord/cable used for test	n to the set	10t-
R.4	Compliance	LIE MILLE MALL MALL	N/A
S (TESTS FOR RESISTANCE TO HEAT AND FIRE	at the state of	N/A
S.1	Flammability test for fire enclosures and fire bawhere the steady state power does not exceed		N/A
West of	Samples, material:		100



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-20,	IEC 62368-1	KILL THE WAY THE	. 70, 4,
Clause	Requirement – Test	Result – Remark	Verdict
- in-	NA/-III the colors on America	EL WILL MULL MALL	The Mr.
- STEEL	Wall thickness (mm)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The Charles
11, 1	Conditioning (°C)	MULL MILL MILL	70, 70,—
LIFEK WA	Test flame according to IEC 60695-11-5 with conditions as set out	TEX STEK NIFEK	N/A
d d	- Material not consumed completely	1, 11, 1, 1	N/A
Mur	- Material extinguishes within 30s	TER WILL WILL WA	N/A
- LEK	- No burning of layer or wrapping tissue		N/A
S.2	Flammability test for fire enclosure and fire bar	rier integrity	N/A
TEX.	Samples, material:	L A A	10th 50th
in a	Wall thickness (mm)	WHITE WALL WALL	mr m-
CIEN LI	Conditioning (°C)	A A A	JEK JEK
S.3	Flammability test for the bottom of a fire enclose	sure W	N/A
S.3.1	Mounting of samples	at at all s	N/A
S.3.2	Test method and compliance	int in an	N/A
WITE.	Mounting of samples	TEK STEK STEK	- RLTE SIRLE
	Wall thickness (mm):	My An An	7 J
S.4	Flammability classification of materials	At 1 Sittle	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	It's write while wh	N/A
t det	Samples, material	s state of	* - 15t - 55
Ch.	Wall thickness (mm)	White when whi	211.
JEK .	Conditioning (°C)	the state of	JE 150
Ť	MECHANICAL STRENGTH TESTS		N/A
T.1	General		N/A
T.2	Steady force test, 10 N:	Very Mur My My	N/A
T.3	Steady force test, 30 N:	Et JEt JET ST	N/A
T.4	Steady force test, 100 N:	Mr. Mr. M.	N/A
T.5	Steady force test, 250 N:	- JEH SLIER MITE	N/A
T.6	Enclosure impact test	20 20 20	N/A
West an	Fall test	LIFE MITER MATERIA	N/A
A A	Swing test	in in the	N/A
T.7	Drop test:	LIER INLIER WALLE WA	N/A
T.8	Stress relief test:	at the set of	N/A
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	A ST ST	N/A



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		IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

	Troduitotte 1001		Toraiot
all.	Number of particles counted:	No such glass	N/A
T.11	Test for telescoping or rod antennas	110 odori gidoo	N/A
TEX S	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U _L	MECHANICAL STRENGTH OF CATHODE RAY T	UBES (CRT) AND	N/A
U.1	General General		N/A
MALTER	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsical	70.	N/A
U.3	Protective screen	The same while same	N/A
V [©]	DETERMINATION OF ACCESSIBLE PARTS		N/A
V.1	Accessible parts of equipment	WILL MULT MALL WALL	N/A
V.1.1	General	a state of	N/A
V.1.2	Surfaces and openings tested with jointed test probes	mil with with all	N/A
V.1.3	Openings tested with straight unjointed test probes	WILL MULL AND MILL	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	A SA SA	N/A
V.1.5	Slot openings tested with wedge probe	The sure sure	N/A
V.1.6	Terminals tested with rigid test wire	THE LIEF	N/A
V.2	Accessible part criterion	Committee and the	N/A
X	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
West of	Clearance:	ALTER MITTER WALTER WALT	N/A
Y	CONSTRUCTION REQUIREMENTS FOR OUTDOOR ENCLOSURES		N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	at the fifth	N/A
Y.3	Resistance to corrosion	THE WALL MULT WITH M	N/A
Y.3	Resistance to corrosion	e at all the	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	which was all	N/A
Y.3.2	Test apparatus	WILL MULL AND MULL	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	a state of	N/A
Y.3.4	Test procedure:	LIE WILL ME ME !	N/A
Y.3.5	Compliance	at at all the	N/A
Y.4	Gaskets	MULL MULL MULL MI	N/A
Y.4.1	General	at at at a	N/A



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	IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
ale	THE THE STATE OF	THE CALL WITH MALL	The the		
Y.4.2	Gasket tests	10, 10, 1	N/A		
Y.4.3	Tensile strength and elongation tests	CLIEB WILLIAMLIE	N/A		
jet i	Alternative test methods:	20 20	N/A		
Y.4.4	Compression test	RELIEF MILIE WALLE	N/A		
Y.4.5	Oil resistance		N/A		
Y.4.6	Securing means	THE MULTE WILL MY	N/A		
Y.5	Protection of equipment within an outdoor enclo	osure	N/A		
Y.5.1	General	WHILE MALL MALL	N/A		
Y.5.2	Protection from moisture	at at 18th	N/A		
in a	Relevant tests of IEC 60529 or Y.5.3:	White Auri Mar.	N/A		
Y.5.3	Water spray test	et let let.	N/A		
Y.5.4	Protection from plants and vermin	in my my m	N/A		
Y.5.5	Protection from excessive dust	Et TEX STEX ST	N/A		
Y.5.5.1	General	Mr. M. M.	N/A		
Y.5.5.2	IP5X equipment	TEN LIFE MITE	N/A		
Y.5.5.3	IP6X equipment	111 111	N/A		
Y.6	Mechanical strength of enclosures	AL MITTE	N/A		
Y.6.1	General	1 1	N/A		
Y.6.2	Impact test:	TE LIFE WITH IN	N/A		



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in mi	711, 711, 71	IEC 62368-1	ITER INLIE WALL W	Vr. Ale	di
Clause	Requirement – Test	The The The	Result – Remark	et s	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

Differences according to..... EN IEC 62368-1:2020+A11:2020

Attachment Form No.....: EU_GD_IEC62368_1E

Attachment Originator....: UL(Demko)

Master Attachment...... 2021-02-04

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	CENELEC COMMON MODIFICATIONS (EN)	Р
MUTIEK A	Clause numbers in the cells that are shaded light grey are clause references in EN IEC 62368-1:2020+A11:2020. All other clause numbers in that column, except for those in the paragraph below, refers to IEC 62368-1:2018. Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2018 are prefixed "Z".	P P I I I I I I I I I I I I I I I I I I
er viri	Add the following annexes: Annex ZA (normative)Normative references to international publications with their corresponding European publications	Р
	Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code designations for flexible cords	
1	Modification to Clause 3.	
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following definitions:	
3.3.19.1	momentary exposure level, MEL metric for estimating 1 s sound exposure level from the HD 483-1 S2 test signal applied to both channels, based on EN 50332-1:2013, 4.2. Note 1 to entry: MEL is measured as A-weighted levels in dB. Note 2 to entry: See B.3 of EN 50332-3:2017 for additional information.	N/A
3.3.19.3 IT	sound exposure, E A-weighted sound pressure (p) squared and integrated over a stated period of time, T Note 1 to entry: The SI unit is Pa^2 s. T $E = \int p(t)^2 dt$	N/A



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IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Trequirement – rest	INESUIT - INEITIAIN	Verdict
22424	and one of the state of	The wall will all	N1/0
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>Eo</i> , typically the 1 kHz threshold of hearing in humans.	MALIER WALTER WALTER WALTE	N/A
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	HITE MILITE WILL WILL	The M
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	tex multer multer multi-w	re was
	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	White Authorities are are	· MLTER
3.3.19.5	digital signal level relative to full scale, dBFS	WILL AND AND AND	N/A
	levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused	TEX WATER WATER WATER	in the motion
	Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels. Because the definition of full scale is based on a sine wave, the level of signals with a crest factor lower than that of a sine wave may exceed 0 dBFS. In particular, square wave signals may reach +3,01 dBFS.	Whitek whitek whitek white	TEX STEEL
2	Modification to Clause 10		N/A
10.6	0.6 Safeguards against acoustic energy sources		N/A
. The	Replace 10.6 of IEC 62368-1 with the following:	life while while while a	to an
10.6.1.1	Introduction	a state of	N/A
	Safeguard requirements for protection against long-term exposure to excessive sound pressure levels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered. A personal music player is a portable equipment intended for use by an ordinary person, that:	White	de street on
	 is designed to allow the user to listen to audio or audiovisual content / material; and uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.). 	Whitek whitek whitek whitek	EX WALTER WALT WALTER WALT WALTER WALTER WALTER WALT WALT WALT WALT WALT WALT WALT WALT
	EXAMPLES Portable CD players, MP3 audio players, mobile	t set set stet set	ITEK MALTE
	phones with MP3 type features, PDAs or similar equipment.	when the the th	



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10,	IEC 62368-1	tr. live. the app.	20, 10,
Clause	Requirement – Test	Result – Remark	Verdict
alle	NOTE 1 Protection against acoustic energy sources from	E. M. C.L. MULL MULL	40, 40,
	telecom applications is referenced to ITU-T P.360.	1 1 1	LET LET
	NOTE 2 It is the intention of the Committee to allow the	SLIER MITE MALTE.	mer mer
	alternative methods for now, but to only use the dose	24. 20. 20.	1 1
	measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as	TELL TELL STEELS	LIEN WITE OF
	possible.	here were my	2
	Listening devices sold separately shall comply	a state	et the
	with the requirements of 10.6.6.	the neith until whi	and an
	These requirements are valid for music or video	20, 2	
	mode only.	TEL LITER SLIE	white white
	The requirements do not apply to:	Mur Mr. Mr.	2,
	- professional equipment;	at at at	TEX STEE
	NOTE 3Professional equipment is equipment sold through	WILL MULL WALL A	he in
	special sales channels. All products sold through normal electronics stores are considered not to be professional	10. 00	et et
	equipment.	TEX LIER SLIER ON	in an
	LIK THE THE THE STEEL STATES STATES	1115 111, 111,	
	 hearing aid equipment and other devices for assistive listening; 	to the tile of	LIJE SLI
	the following type of analogue personal music	with whi with	24.
	players:	1 x	LEK LEK
	long distance radio receiver (for example, a	LIER STIER WITE	WILL MUT.
	multiband radio receiver or world band radio	mr. m. m.	
	receiver, an AM radio receiver), and	at a set	LIET SLIE .
	cassette player/recorder;	20 20 20	1, 1
	NOTE 4 This exemption has been allowed because this		et et .
	technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be	THE RET WITH MILE	The Me
	extended to other technologies.	24, 25, 2.	- 4
	– a player while connected to an external amplifier	TEX TEX LIE	nlife smith
	that does not allow the user to walk around while	wer wer me	10, 10,
	in use.	+ + +	TEK TEK
	For equipment that is already designed as interested	WITE MITE MALL	The The
	For equipment that is clearly designed or intended primarily for use by children, the limits of the	10 20 2	at at
	relevant toy standards may apply.	TEN TEN TIEN OF	ITE WILL OF
	At at the the mile will will an	in my my	
	The relevant requirements are given in	at at at a	J. J. 12
	EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	With Aut. Aur.	20, 20,
10.6.1.2	Non-ionizing radiation from radio frequencies	L at at	N/A
11/2° 1	in the range 0 to 300 GHz	TOLIE MILITE MILITE	2015 2015 W
	The amount of non-ionizing radiation is regulated	20, 20	et et
	by European Council Recommendation	TEX LIEX STEEL	NITE WITH
	1999/519/EC of 12 July 1999 on the limitation of	1 16 Mg. 211. 21	
	exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).	at at let	TEN TEN
	For intentional radiators, ICNIRP guidelines should	The Maria Mari Mari	2/1, 2/1
	be taken into account for Limiting Exposure to	, L A	+ 1
	Time-Varying Electric, Magnetic, and	E THE STEE STEE	WILL WELL
	Electromagnetic Fields (up to 300 GHz). For hand-	211, 211, 22	
	held and body mounted devices, attention is drawn to EN 50360 and EN 50566.	1 1 1 1	LET CLEAN



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Lite Mail	Mrs. My All Mrs.	IEC 62368-1	ITEK MLTEK WILLER WI	Tip Mail Mili
Clause	Requirement – Test	ALL ALL AND	Result – Remark	Verdict

General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3. For classifying the acquistic output Long T	N/A
measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	witek witek
For music where the average sound pressure (long term $L_{Aeq,\tau}$) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, T becomes the duration of the song.	TEX ON TEX ON
NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term <i>L</i> Aeq, 7) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit. For example, if the player is set with the programme simulation noise to 85 dB, but the average music level of the song is only 65 dB, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB.	WALTER WALTER
RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue interface) or -25 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1	IN/A
	This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3. For classifying the acoustic output <i>L</i> _{Asq, 7} , measurements are based on the A-weighted equivalent sound pressure level over a 30 s period. For music where the average sound pressure (long term <i>L</i> Aeq, 7) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, <i>T</i> becomes the duration of the song. NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term <i>L</i> Aeq, 7) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit. For example, if the player is ast with the programme simulation noise to 85 dB, but the average music level of the song is only 65 dB, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB. RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does not exceed the following: - for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, 7 acoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1. - for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue



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201	IEC 62368-1	the wife with white	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
Me	White the terms of	all mil and	me m
10.6.2.3 WINTER WILLER WINTER WILLER WINTER WILLER WINTER WILLER WINTER WILLER WINTER WILLER WILL	RS2 limits (to be superseded, see 10.6.3.3) RS2 is a class 2 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as setting or automatic 130 detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	AND LIER WHITER	
10.6.2.4	RS3 limits RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	WATER WAITER WAITER	N/A
10.6.3	Classification of devices (new)		N/A
10.6.3.1	General	Not such equipment	N/A
	Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	THE WALTER WALTER	while whi
10.6.3.2	RS1 limits (new)	74, 74, 7	N/A
	RS1 is a class 1 acoustic energy source that does	THE THE LITTER OF	TILE MILL

not exceed the following: - for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the L_{Aeq} , τ acoustic output shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1. 10.6.3.3 RS2 limits (new) N/A RS2 is a class 2 acoustic energy source that does not exceed the following: for equipment provided as a package (player)



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
AND THE WALL	with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the weekly sound exposure level, as described in EN 50332-3, shall be ≤ 80 dB when playing the fixed "programme"	White whitek whitek	MALTER MALTER	
	simulation noise" described in EN 50332-1. – for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed	Tex whitex whitex whitex whitex whitex whitex	ed while whiles	
TEX NOTE	"programme simulation noise" described in EN 50332-1.	at at alt s	TEX TEX	
10.6.4	Requirements for maximum sound exposure	ir aur au au	N/A	
10.6.4.1	Measurement methods All volume controls shall be turned to maximum during tests.	THE WALTER WALTER	N/A	
<u> </u>	Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable.	We will an	it it	
10.6.4.2	Protection of persons Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	CIE MILIE WILLE M	N/A	
	NOTE 1 Volume control is not considered a safeguard .	INNITER WALTER WALTER	MUTTE MUTTE	
	Between RS2 and an ordinary person , the basic safeguard may be replaced by an instructional safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the	Whitek whitek whitek	UNLIER UNLIER	
	instruction manual. Alternatively, the instructional safeguard may be given through the equipment display during use.	SEE MILITER WASTER WALT	ik wali ik wali	
	The elements of the instructional safeguard shall be as follows:	JUNITER WAITER WHITER	WHITE WHITEK	
	 – element 1a: the symbol ∠^{**} 6044 (2011-01) – element 2: "High sound pressure" or equivalent wording 	ONLIER WALLER WHILE W	ick witek w	
	 – element 3: "Hearing damage risk" or equivalent wording – element 4: "Do not listen at high volume levels for long periods." or equivalent wording 	et milet mules mules	MULTE WILLE	
	An equipment safeguard shall prevent exposure	TEX STEX SLIER	WITEK MALTER	



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20,	IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
which	THE THE THE THE	A STATE MATERIALISM	are are	
	of an ordinary person to an RS2 source without intentional physical action from the ordinary person and shall automatically return to an output level not exceeding what is specified for an RS1 source when the power is switched off. The equipment shall provide a means to actively	untitek untitek untitek	MULTER MULTER	
	inform the user of the increased sound level when the equipment is operated with an output exceeding RS1. Any means used shall be acknowledged by the user before activating a mode of operation which allows for an output exceeding RS1. The acknowledgement does not need to be repeated more than once every 20 h of cumulative listening time.	THE MILITER WHITER WHITER	White white house	
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed. NOTE 3 The 20 h listening time is the accumulative listening	TEX WHITEK WHITEK WH	TER WITE W	
	time, independent of how often and how long the personal music player has been switched off.	A MULTER MULTER MULTE	MUT MUT	
MULTER W	A skilled person shall not be unintentionally exposed to RS3.	WITEK WALTER WALTER	WATTER MATTE	
10.6.5	Requirements for dose-based systems		N/A	
10.6.5.1	General requirements Personal music players shall give the warnings as provided below when tested according to EN 50332-3, using the limits from this clause. The manufacturer may offer optional settings to allow the users to modify when and how they wish to receive the notifications and warnings to promote a better user experience without defeating the safeguards. This allows the users to be informed in a method that best meets their physical capabilities and device usage needs. If such optional settings are offered, an administrator (for example, parental restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a specific configuration. The personal music player shall be supplied with easy to understand explanation to the user of the	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	N/A N/A N/A N/A N/A N/A N/A N/A	
neiter un itex _{white} *	dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car races, etc.	Mittel Whitely Whitely Whi	niter miter	
10.6.5.2	Dose-based warning and requirements When a dose of 100 % CSD is reached, and at least at every 100 % further increase of CSD, the device shall warn the user and require an	White white white	N/A	



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Result – Remark	Verdict
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nes, earphones, etc.)	N/A
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L A A A	N/A
	112.
LIE WILL WILL WALL	20, 20,
ste muit unti unti	70 Z
t e3	nes, earphones, etc.)



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
ar.	an an a tele it	and the second	in in
unifek unif	level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the $L_{Aeq,\tau}$ acoustic output of the listening device shall be ≤ 100 dB with an input signal of - 10 dBFS.	untitet untitet untitet	JUNITER WHITER
10.6.6.3	Cordless listening devices	J	o⊢ N/A
Whitek wh	In cordless mode, — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the LAeq, acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	LET WHITE WH	MULTER WHITER MITER WHITER M
10.6.6.4	Measurement method	WITE WILL WILL	N/A
NITEK ANI	Measurements shall be made in accordance with EN 50332-2 as applicable.		LIEF NIEF
3	Modification to the whole document		N/A



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The same	Mrs. Mer All Mrs.	IEC 62368-1	mile mile
Clause	Requirement – Test	Result – Remark	Verdict

Note Incoming note: See use of certain substruipment is restricted			5.4.10.2.3 5.6.4.2.1 5.7.7.1 10.5.3 Y.4.1	Note Note 2 and 3 and 4 Note 1 and Note 2 Note 2 Note 2	TEK WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER
Note Note 2 Note Note Note Note	5.5.6 5.7.6 10.2.1 Table 39	Note Note Note 3 and 4 and 5	5.6.4.2.1 5.7.7.1 10.5.3	Note 2 and 3 and 4 Note 1 and Note 2	A LIEK WALTER A LIEK WALTER A MALTER A MALT
Note Note 2 Note Note 3	5.5.6 5.7.6 10.2.1 Table 39	Note Note Note 3 and 4 and 5	5.6.4.2.1 5.7.7.1 10.5.3	Note 2 and 3 and 4 Note 1 and Note 2	INTER WATER
Note Note 2 Note Note 3	5.5.6 5.7.6 10.2.1 Table 39	Note Note Note 3 and 4 and 5	5.6.4.2.1 5.7.7.1 10.5.3	Note 2 and 3 and 4 Note 1 and Note 2	MITER WALTER
Note Note 2 Note	5.5.6 5.7.6 10.2.1 Table 39	Note Note Note 3 and 4 and 5	5.6.4.2.1 5.7.7.1 10.5.3	Note 2 and 3 and 4 Note 1 and Note 2	ALTER WALTER
Note Note 2	5.5.6 5.7.6 10.2.1	Note Note Note Note 3 and 4	5.6.4.2.1	Note 2 and 3 and 4 Note 1 and Note 2	NATER WALTER
Note Note 2	5.5.6	Note Note Note Note 3 and 4	5.6.4.2.1	Note 2 and 3 and 4 Note 1 and Note 2	niek w
Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4 Note 1 and	niek w
Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	METER W
30.00		*****		Note 2 and 3	MALTER
30.00		*****			MALTER
				× × ×	70°
3					6/17
	5.4.2.5	Note 2	5.4.5.1	Note	El- RITE
	Table 12				in the
Note	5.4.2.3.2.2	Note c	5.4.2.3.2.4	Note 1 and 3	LEN.
Note 1	4.1.15	Note	4.7.3	Note 1 and 2	girling o
Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	To the
3	Note 1 and 2 Note 1 Note 1	Note 1 and 2 1 Note 1 and 2 1 Note 1 4.1.15 Note 5.4.2.3.2.2 Table 12 3.2.4 Note 2 5.4.2.5	Note 1 and 2 1 Note 4 and 5 Note 1 4.1.15 Note Note 5.4.2.3.2.2 Note c Table 12 Note 2 5.4.2.5 Note 2	Note 1 4.1.15 Note 4.7.3 Note 1 5.4.2.3.2.2 Note c 5.4.2.3.2.4 Table 12 5.4.2.5 Note 2 5.4.5.1	Note 1 and 2 1 Note 4 and 5 3.3.8.1 Note 2 8 Note 1 4.1.15 Note 4.7.3 Note 1 and 2 2 Note 5.4.2.3.2.2 Note c 5.4.2.3.2.4 Note 1 and 3 Table 12 Table 12 Table 12 Table 12



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The Maria	The Alexander	IEC 62368-1	TEN NITER WITER	Tip Murit Muri
Clause	Requirement – Test	rice Mr. M. M.	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	Not directly connected to the	N/A
dunties und tites untites untites untites untites untites vantites untites vantites untites vantites untites	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions. If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	mains Interest white the property of the prop	WALTER OF STEEL OF ST
6	Modification to 5.4.2.3.2.4		N/A
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No such radiation from the equipment.	N/A
8	Modification to 10.5.1		N/A



N/A

N/A

Ρ

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maintained for 1 h, at the end of which the

taking account of the background level.

For RS1, the dose-rate shall not exceed 1 μ Sv/h

NOTE Z2 These values appear in Directive 96/29/Euratom of

NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.

measurement is made.

Modification to G.7.1

Add the following note:

Modification to Bibliography

13 May 1996.

G.7.1

10

IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
The s	an an a set of	att neit unit	who were	
10.5.1	Add the following after the first paragraph:	20, 20,	N/A	
	For RS 1 compliance is checked by measurement under the following conditions:	MILIER WHITER WHITER.	MUSTER MUST A	
	In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	LITER WALTER WALTER WALTER	EX WHITE WALTER	
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	UNLIEK WALTER WALTER V	Write Mulite M	
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	TEX WHITEK WHITEK WH	TEK WITTER WITTER	
	Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is	Whitek whitek whitek	MULTER MULTER O	



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<u> </u>		(d) (d) (d) (d) (d)		
. The		IEC 62368-1		
Clause	Requirement – Test	The Mary All Man	Result – Remark	Verdict

ale.	and the text of the state with our our	Call .
et.	Add the following notes for the standards indicated:	P
AUTER WALTER SER WALTER WALTER WALTER WALTER WALTER	IEC 60130-9 NOTE Harmonized as EN 60130-9. IEC 60269-2 NOTE Harmonized as HD 60269-2. IEC 60309-1 NOTE Harmonized as EN 60309-1. IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61558-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-21 NOTE Harmonized as EN 61643-1. IEC 61643-311 NOTE Harmonized as EN 61643-311. IEC 61643-321 NOTE Harmonized as EN 61643-321. IEC 61643-331 NOTE Harmonized as EN 61643-331.	JUNE WHITE WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK
11	ADDITION OF ANNEXES	Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	P
4.1.15 SINGLE SUNGER SUNGLES S	Denmark, Finland, Norway and Sweden To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway: "Apparatet må tilkoples jordet stikkontakt." In Sweden: "Apparaten skall anslutas till jordat uttag"	SP N/A SP SP STEET SANTER SP STEET SAN
4.7.3	United Kingdom To the end of the subclause the following is added: The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	N/A



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46		3		
11/2		IEC 62368-1		10 10
Clause	Requirement – Test	L. Mr. M. M.	Result – Remark	Verdict

5.2.2.2	Denmark	10 10	N/A
	After the 2nd paragraph add the following:	SLIET MLIET MALIER MALIER MI	
	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.	with whitek whitek whitek with	
5.4.11.1	Finland and Sweden	and the second	N/A
and Annex G	To the end of the subclause the following is added:	est unite unite unit unit	
	For separation of the telecommunication network from earth the following is applicable:	white white white white	
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	uniter uniter which while wh	
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	t et tet tet it	
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	ALTER ALTER MALE WALLER	
	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	THE THE MILITER WILLIAM TO	
	completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	white white white white	
	 passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV), 	UNLIER WALTER WALTER WALTER WA	
	and the text white with white will	at the tiet street miles	
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	WILL WILLEY WILLEY WILLEY	
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	WILLER MUTER MUTER ANTIER	
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	the multer multer multer white	
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	THE THE WIFE WITER W	



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20,	IEC 62368-1	the west with the	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
ale	The transfer of the transfer of	ET STEE METER MALE	The The
MALTEK M	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	THE STEE STIER	WALTER WALTER
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	United Whitest Whitest M	STEEL WALTER
iek whiter	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	ex mattex matter mail	EK WUT. EK MU
5.5.2.1	Norway	A TEX CLER STEE	N/A
	After the 3rd paragraph the following is added:	Mer Mer Mer	The Tex
iner in	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MILLER MALTER MALTER	net sex
5.5.6	Finland, Norway and Sweden	TEN WITE WALL WA	N/A
	To the end of the subclause the following is added:	1st street patrick mark	x while whi
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	Whitek Mutter mutter	MULTER MULTER
5.6.1	Denmark	Little of	N/A
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification:	WALLER MATTER WALLER	THE WALTER WALT
aneile an	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	WILLER WALTER WALTER	MULL MULL
5.6.4.2.1	Ireland and United Kingdom	at at at	N/A
	After the indent for pluggable equipment type A , the following is added: - the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the	ret until unit until	et whilet whi
- 45	mains plug.		
5.6.4.2.1	France	ALTER MITE MALLE	N/A
INLTEK VIN	After the indent for pluggable equipment type A , the following is added: – in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A.	OUTER MUTER MUTER	nitet mitet.
5.6.5.1	To the second paragraph the following is added:	The Mary Mary Mary	N/A
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm ² to 1,5 mm ² in cross-sectional area.	et whitet white	White A white



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AV		<u> </u>		
in the		IEC 62368-1		
Clause	Requirement – Test	The Maria Maria	Result – Remark	Verdict

5.6.8	Norway	24, 24, 2	N/A
WALTER WAL	To the end of the subclause the following is added: Equipment connected with an earthed mains plug is classified as class I equipment . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	Whitek whitek whitek whi	
5.7.6	Denmark	1112 111 11	N/A
unitex w	To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Whitek Multer Multer	unit whites
5.7.6.2	Denmark	TEX SLIER WILL MILL	N/A
ik Writek	To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA.	antiet writet writes	MULTER MULT
5.7.7.1	Norway and Sweden	Not such system.	N/A
	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system. It is however accepted to provide the insulation external to the equipment by an adapter or an	THE WALLEY WALTER WALTER	ie on tek unitek unitek
	interconnection cable with galvanic isolator, which may be provided by a retailer, for example. The user manual shall then have the following or	LIEN WHITER WHITER WHITE	ek witek w
	similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	of white white white	white white
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing –	WILER MUTER MUTER AND	TEK MITEK
	and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	TEX WHITEK WHITEK WHITEK	White white
			200



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IEC 62368-1							
Clause	Requirement – Test Result – Remark						
1000	MILL THE THE THE THE	A STEE STEE WITE	Will are				
WALTEK WA	in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	with with while	WALTER WALTER				
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	son and street outstart out	LIEK WALTER W				
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk	EX WHITEK WHITEK WHITEK	White white				
	isolator mellom apparatet og kabel-TV nettet."	TEX STEX STEEL	NLTEK WALTER				
TEX WAITE	Translation to Swedish: "Apparater som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet."	Tex unitex unitex unitex unitex unitex	TEX ON TEX ON				
5.5.4.2.3	United Kingdom	LITER RAIL MAIN	N/A				
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is	and the function of	EX WALLEY WAS				
204 44	required where there is a risk of personal injury.	011 201 2	21/0				
3.3.1 and 3.4	Ireland and United Kingdom The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in	Whitek whitek whitek	N/A				
	equipment, tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment, until the requirements of Annexes	TIER MUTER MUTER MUTE	LIEK WLIEK W				
21/2 0	B.3.1 and B.4 are met	THE STEP WITE	NI/A				
G.4.2	Denmark To the end of the subclause the following is added:	WITH WITH WATER	N/A				
	Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	TEK WATER WATER WA	LEK AN LEK AN				
	CLASS I EQUIPMENT provided with socket- outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring	WALTER WALTER WALTER	MILLER MILLER				



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	IEC 62368-1	2/15. 20, 20,	
Clause	Requirement – Test	Result – Remark	Verdict
Me	All All a like It	Et Still Will Mile	The and
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	TEX TEX STEX	WITEK MUTER
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a polyphase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.	ant whitek united wh	is while was
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a.	Whitek whitek whitek	MILE WALTER
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TER MITTER MITTER MI	TEK MUTER MU
	Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a	MILIER WHITER WHITE	Whitek whitek
	Justification: Heavy Current Regulations, Section 6c	the little	LIFE NITES
G.4.2	United Kingdom	2 2/2 2/	N/A
V.4.2	To the end of the subclause the following is added:	THE WALLY WALLY	EK MY MY
UNLIER WALL	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	JUNITER WHITER WHITER	Whitek whitek
G.7.1	United Kingdom	at at at a	N/A
	To the first paragraph the following is added: Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a	White white white	White whites
	'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	Test white whites whi	iek writek wr
MULL	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	White white while	Mury Aur



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IEC 62368-1					
Clause	Requirement – Test	Marie Marie Miles Miles	Result – Remark	Verdict	

Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard G.7.2 Ireland and United Kingdom To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm² is allowed for equipment which is rated over 10 A and up to and including 13 A. ZC ANNEX ZC, NATIONAL DEVIATIONS (EN)	G.7.1	Ireland A Committee of the Committee of	N/A
G.7.2 Ireland and United Kingdom To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm² is allowed for equipment which is rated over 10 A and up to and including 13 A. ZC ANNEX ZC, NATIONAL DEVIATIONS (EN) N/A 10.5.2 Germany The following requirement applies: For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking. Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM. NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig,		To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State	
The following requirement applies: For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking. Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM. NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig,	G.7.2	Ireland and United Kingdom To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm² is allowed for equipment which is rated over 10 A	N/A
The following requirement applies: For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking. Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM. NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig,	zc		N/A
	10.5.2 IE	The following requirement applies: For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking. Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM. NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig,	TEK MILIEK MILIEK



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1. Mr.	74 24 2 T	IEC 62368-1	LIER WITE WALLE	ang an	4115
Clause	Requirement – Test	MULL MILL M	Result – Remark	alt d	Verdict

Type of flexible cord	Code de	esignations
	IEC	CENELEC
PVC insulated cords	l	
Flat twin tinsel cord	60227 IEC 41	H03VH-Y
Light polyvinyl chloride sheathed flexible cord	60227 IEC 52	H03VV-F H03VVH2-F
Ordinary polyvinyl chloride sheathed flexible con	d 60227 IEC 53	H05VV-F H05VVH2-F
Rubber insulated cords		
Braided cord	60245 IEC 51	H03RT-F
Ordinary tough rubber sheathed flexible cord	60245 IEC 53	H05RR-F
Ordinary polychloroprene sheathed flexible cord	60245 IEC 57	H05RN-F
Heavy polychloroprene sheathed flexible cord	60245 IEC 66	H07RN-F
Cords having high flexibility		1 35
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H
Rubber insulated, crosslinked PVC sheathed co	rd 60245 IEC 87	H03 RV4-H
Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H
Cords insulated and sheathed with halogen- free thermoplastic compounds	7	
Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-
Ordinary halogen-free thermoplastic insulated an sheathed flexible cords	nd	H05Z1Z1-F H05Z1Z1H2-



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Carried Colors		IEC 62368-1	LIER INLIER WALLER WA	The Mr.
Clause	Requirement – Test	Mr. M. M.	Result – Remark	Verdict

5.2	TABLE: Classificat	ion of electrical er	nergy source	es		4	P
Supply Voltage	Location (e.g.	Test conditions		Param	eters	,	ES
	circuit designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
et et	TEX LIFEX N	Normal	9.0VDC	n -a	SS	DC	ES1
9VDC	Input circuit	Abnormal	Jak J	TER TILE	JOLIAN S	Vr. Aller	(declare
L STEEL AN	nt all water water	Single fault – SC/OC	10 - 10 11 - 11	* Tex	LIEK- NY	EX WITEK	MALTEK
*	CENT TEXT STEP	Normal	4.2VDC	110, 71	SS	DC	ES1
4.2VDC	Battery	Abnormal	11th - 11th	JUE JU	16th 116th	Will W	(declare
	Mariek whitek	Single fault – SC/OC	71/2 71/2	764 76	LIEX LIEX	mires and	EK MALT

Supplementary information:

- 1) Type: Steady state (SS), Capacitance (CP), Single pulse (SP), Repetitive pulses (RP), etc.
 2) Additional Info: Frequency, Pulse duration, Pulse off time, Capacitance value, etc.
 3) Test Conditions:

 Normal –Full load and no load.

 Abnormal Overload output

SC= short circuit; OC= open circuit

5.4.1.8 TABLE: Wor	rking voltage measu	rement		N/A
Location	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
- WILL MULL MULL	201 - 201 -	* ** *	et alt	LIER MITER JAITE MALL
- 4 14 14	LIE NITE WAL	The mer	11/2 11	- + - A
Supplementary information	on:			
e et et	TEX SET WITH	The Mr.	20, 20,	, , ,

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics						N/A	
Method				:	ISO 306 / B50	WITE WAL	_
Object/ Part No./Material Manufacturer/trademark				Thickness (mm) T softe		ening (°C)	
-min min	m. m.	20.	et let.	JEK.	TEN MITE	Peter White	Augr. 1
Supplementary in	formation:						
16, 21, 21	r 'm	70	at at a	£	TER STEE WE	I WALL	no in

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics						N/A	
Allowed impression diameter (mm): ≤ 2 mm							_
Object/Part No./Material Manufacturer/tradem		Manufacturer/trademark	Thickness	(mm)	Test temperature (°C)	Imp diame	ression eter (mm)

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	IEC 6	2368-1	
Clause	Requirement – Test	Result – Remark	Verdict
" IL	The Third and The The	The street will not be	Ver age
- 4	TEX TEX TEX WITE MILITE WAS	M M	st - set
Suppleme	entary information:		
.+	tet itet stiet stiet smit som	Mr. Mr.	t set

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance								N/A
Clearance (cl) and creepage distance (cr) at/of/between:	U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
- with white main white	1/1/2	zn.	/		KIL.	JEK "J	Er TILE	MILIE.

Supplementary information:

- Only for frequency above 30 kHz
 Complete Electric Strength voltage (E.S. (V) when 5.4.2.4 applied)

5.4.4.2	TABLE: Minimun	BLE: Minimum distance through insulation						
Distance th (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Mea	sured DTI (mm)		
/*	JEK JEK NI	MITE WILL WAL	111 - 111			- 18		
Supplemen	tary information:							
Alt A		1 1/4 J		1/2	, et	TEXT .		

5.4.4.9 TABLE: Solid insulation at frequencies >30 kHz							
Insulation material	E P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)	
- WILL MULL MULL M	- 14 m	- ,	# .E*	TEK TE	- CLIER OF	XE WILL	
Supplementary information:							
White will with the	20.			CET TET	JE ST	- 10 LT - 10	

5.4.9 TABLE: Electric	strength tests	at at at	TEX LIEX ALT	N/A
Test voltage applied between:		Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	TER WALLE WALL	211. 211. 21.	1 1 2	LEF LEF
-nur mr. m.	L St. Set	- JEK STER MIT	- with while h	Vr. 170 1
Basic/supplementary:	WILLE WALL	20 20 20 Z	at at	CENT STEP ST
The Me Me And	At All the	TIEK NITER WITE	while mury my	2/15 2/11
Reinforced:	Will Mr. A		at at a	F STEP STE
- 1/11 1/11 1/11	et stet si	ER OLITER WITE W	The Maria Maria	21/2 - 21/2
Routine Tests:	in Mr. M.		et let let	ALTER OLITER
- 4, 4,	et let site	- nite white whi	- me me.	ig. 20
Supplementary information:				



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In The	M 24 2.	IEC 62368-1	LIER UNLIER WALLE WAL	Mr. Mr.
Clause	Requirement – Test	with any	Result – Remark	Verdict

5.5.2.2	TABLE	TABLE: Stored discharge on capacitors							
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class			
70	711.		Normal	TER WATER O	Writ Harris	in -in			
- MITEK -	un ^{litek} vun	TER WULLE MULT	Single fault: SC/ OC	t let	JEK TEK	LIEK -UNLIEK			

X-capacitors installed for testing are:
[] bleeding resistor rating:
[] ICX: 1) Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit

5.6.6 TABI	.6.6 TABLE: Resistance of protective conductors and terminations							
Location		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)			
7, ,	4 1t 15	ide ide	1612 - 1915 A	1. M. M.				
Supplementary inf	ormation:							
	100	TE WITTE	70. 7	14 2n	4			

5.7.4	TABLE: Unearthed acce	ssible parts				N/A	
Location	Operating and	Supply	F	Parameters		ES class	
	fault conditions	fault conditions Voltage (V)		oltage Current (A _{rms} or A _{pk})			
Mery M	Normal	JF 14	- 17 ⁶² - 17 ⁶²	nlie unlie	Mr.	" - " "	
	Abnormal: overload	Muri - Mur	THE TEX	iter aiter	Wiles V	PLIEK-	
	Single fault: SC/ OC	STEEL WALLE	ann -in .	in in	TEX N	EK -	

Supplementary information:

SC= short circuit; OC= open circuit

5.7.5	TABLE: Earthed acces	sible conductive part	20,	at at	N/A
Supply volta	age (V)	BY TEN TEN	LIER OLIER	ULL WALL OF	_
Phase(s)		[] Single Phase; [] Three	Phase: [] Delta	[] Wye	
Power Distr	ibution System	[]TN []TT []IT	EL STEE IN	it with whi	
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt
- 20, 1	a state of	A STER WITE WILL	ans - ans	24, 24,	4.
Supplement	tary Information:				
21, 20,		- LIER ALIER MIRE	NATE WALL	me me	10, 20



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Le Mr	14. 14. 1.	IEC 62368-1	iter uniter white whi	any and
Clause	Requirement – Test	mer my m	Result – Remark	Verdict

5.8	TABLE	TABLE: Backfeed safeguard in battery backed up supplies						
Location		Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class	
try, and	4/12	20, - 20.	5 E St	SPE S	EL WELL VI	Life White	ang - an	
Supplemer	ntary infor	mation:						
· in	ale .	2/1 0.		LET LET	The ST	100	he are	

6.2.2 TABLE: Power source circuit classifications							
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class	
9V Input circuit	Pin + to -	9	3	27	5S 5S	PS2 (Declare)	
Battery	1 18th 18th	3.513V	2.70A	9.49W	3S	PS1	

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

1) Measured after 3 s for PS1 and measured after 5 s for PS2 and PS3.

6.2.3.1 TABLE: D	Determination of Arcing PIS	1101.		N/A
Location	Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
The militing			The Life Stiff	WITE NATIVE
Supplementary informa	tion:			
of the other other	in in	4 1 1	It THE CLEAN	Tite Will

6.2.3.2 TABLE: Deter	P		
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
All primary circuits/components	TEX TEX MITES WAITER ON	LIET WALTER - WALTER WAL	Yes (declaration)

Supplementary information:

All circuits are considered as resistive PIS;

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, or (b) under single fault conditions has either a power exceeding 100 W measured immediately after the introduction of the fault if electronic circuits, regulators or PTC devices are used, or has an available power exceeding 15 W measured 30 s after introduction of the fault.



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The same	All All All All	IEC 62368-1	LIER WILLEY MULTER WI	Tree Mary Angre
Clause	Requirement – Test	The The Tay	Result – Remark	Verdict

8.5.5	TABLE: High pr	essure lamp		at the	JEX	N/A		
Lamp mar	ufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	1	icle fou nd 1 m ` / No		
T+ .0	+ TEX TEX	TIEL WILL WILL	245 My M			Æ	A C	
Supplementary information:								
. ,4	at at	TER LIFE WITE .	me me m	7.		- 4	Ļ	

Supply voltage (V)			9V				JET WILL	_
Max. transmit pow	er of transr	nitter (W)	15W	re while	m.	115 11		_
	1	eiver and contact		eiver and contact		iver and at of 2 mm		eiver and at e of 5 mm
Foreign objects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Steel disc	39.8	21.6	52.7	22.3	58.7	22.1	46.1	22.1
Aluminium ring	52.6	21.5	51.9	22.8	46.6	21.8	41.2	21.8
Aluminium foil 43.8 21.8 54		54.4	21.7	40.0	21.7	50.4	21.4	

5.4.1.4, 9.3, B.1.5, B.2.6	9.3, B.1.5,								
Supply voltage	(V):	9V (Battery Charging+ Speaker working+ Wireless charge 5W)	5V (Battery Charging+ Speaker working)	Battery (Dis chargin g)	EK WHITEK	_			
Ambient temper	rature during test T_{amb} (°C):	See below	See below	See below	un ^{liter} vun	_			
Maximum meas	sured temperature <i>T</i> of part/at:		Allowed T _{max} (°C)						
Surface of Batte	ry the state with	47.7	46.0	44.8	* - °	Ref.			
PCB near U2	No. of the last	80.5	75.6	57.6	Wer.	130			
PCB near U4	A WILL MILLE MULT MAN	85.4	79.3	66.6	, at	130			
Internal wire	in the state of	70.1	57.6	47.7	21/2 - 11	80			
Internal enclosu	re near battery	43.6	43.2	43.1	AEXT C	Ref.			
45. 44.			A 7	100.00	-V 10	172 114			



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r. Aug. Aug. A	, ,		IEC 6236	8-1	WILLE WAL	MULL	me me
Clause Requireme	ent – Test	TIL WALL	7/1	Res	sult – Remark	C LEN	Verdict
The The The		باد د	A CO	JE.	Lite Will.	- 11 1	Ve m
EC1		The Marie	71.3	65.7	56.1		105
Ambient	20, 20	40.0	40.0 40.0		Will - Wi	7/12 7/	
Outside enclosure near	and a	26.5	26.7	28.4		77	
Outside enclosure Top	h 20	.+	27.8	26.0	25.2	1	W 77 W
Ambient	TER WITE W	MIT WILL	25.0	25.0	25.0		18t - JE
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2(\Omega)$	T (°C)	Allowed T _{max} (°C)	Insulation class
-Ner Mer Mer	2/1 - 2/1	7	-2-	76±	JEK 1765	WIE OF	er and a

Supplementary information:

Note 2: The temperatures were measured under the worse case normal mode defined in clause B.2.1.

B.2.5	T	ABLE: Inp	ut test					C A A A P
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
9VDC	\ \	0.76	3	6.84	NATE K	1 -4 1 (E)	-	Battery Charging+Speaker working+Wireless charge 5W
4.047V DC	7/	0.075A (Battery)	t TEX	0.303 W	unlitek	NITEST IS	n ^{lifer} w	Battery discharging with speaker.

Supplementary information:

The maximum measured current under rated voltage did not exceed 110% of the rated current.

B.3, B.4	TABLE: Abnor	mal operatin	g and fau	ılt condit	ion tes	sts		Р
Ambient temperature T _{amb} (°C): See below								
Power soul	rce for EUT: Man	ufacturer, mo	del/type, d	outputrati	ng:	- 211	10 20	
Componer No.	nt Condition	Supply voltage (V)	Test time	Fuse no.		use ent (A)	Observation	n
Powered by	y 9VDC with emp	oty battery	20	- T	.+	,et	TEX STER ASS	IN THE
B- to P-	SC	9VDC	7h	, Life	0.5	59A	Unit normal working, damaged, No hazard	
U2 PIN 4-	5 SC	9VDC	10mins	EK WAL			Unit normal working, damaged, No hazard	
Wireless co	oil SC	9VDC	10mins	NATEK	WALTE	- ² 1/2)	Unit shutdown, no damaged, l hazard.	
Speaker	SC	9VDC	10mins	-17 -21 -	TITE!C)A	Speaker no voice, no hazard.	damage,no

^{*} Temperature limit for TS1 of accessible enclosure according to Table 38 to be measured at normal ambient temperature.

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 40°C.



Р

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200	74, 24, 2,	IEC 62368-1	LIER WITE WALL W	in my min
Clause	Requirement – Test	Mar. M. M.	Result – Remark	Verdict

B- to P-	SC	4.132VDC	7h	ing - a	0.018A	Unit normal working, no damaged, No hazard.
U6 3-2	SC SC	4.135VDC	7h	TEE WAL	0.014A	Unit normal working, no damaged, No hazard.

Supplementary information:

M.3

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.

- 1) s-c: Short-circuited; o-l: Overloaded; BL=Blocked.
- 2) The test result shown all safeguards remained effective and didn't lead to a single fault condition during abnormal operating condition; In addition all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.
- 3) The test result showed no Class 1 or 2 energy source become Class 3 level during and after single fault condition.

TABLE: Protection circuits for batteries provided within the equipment

<u> </u>	to install the	20	2				9 52	- "		
		Charging								
Equipment S	Specification	Voltage (V)							Current (A)	
		See table B.2.5					*	S	see table B.2.	.5
					Battery	/ spe	cificat	tion		
		Non-recharge	Non-rechargeable batteries					hargeab	le batteries	
		Discharging	Unii	ntentional	(Char	ging		Discharging	Reverse
Manufact	urer/type	current (A)		harging rrent (A)	Voltage	(V)	Curr	ent (A)	current (A)	charging current (A)
Shenzhen (Ying Techn Ltd / 1	ology Co.,	INCITE TUNCTE	اللي ت	er on the	4.2	ini	SELF V	1.8	1.2	ynutek v
Note: The tes	sts of M.3.2 a	re applicable c	nly v	when abov	e appropr	iate d	data is	s not ava	ilable.	
Specified ba	ttery tempera	ature (°C)				<u>:</u>	10	- m	0-45	~
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp.		rrent A)	Voltage (V)	Obse	ervation
Battery	Normal	Charge	. ir	7h	ek Junité	0.5	503	4.0	Unit norma No damag hazard.	
Battery	U2 pin 4-5 SC	Charge	JN LTY	10 mins	united.	unti ¹	1.6	4.0	Unit norma No damag hazard.	
Battery	Normal	Discharge	LTEX.	7h	IN ^{LTER} W	0.	021	4.0	Unit norma No damag hazard.	
Battery	U4(PIN 1- 5) SC	Discharge	- 4	7h	in and	0.	091	4.0	Unit norma	

¹⁾ Supply by external DC source, 2) Measured battery cell voltage and current.



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Lite Mail	Mrs. My All Mrs.	IEC 62368-1	ITEK MLTEK WILLER WI	Tip Mail Mili
Clause	Requirement – Test	ALL ALL AND	Result – Remark	Verdict

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit NL= no chemical leakage; NS= no spillage of liquid; NE= no explosion; NF= no emission of flame or expulsion of molten metal.

	ABLE:	Charging sa	feguards for	equipment c	ont	aining a se	econdary lithium	Р
Maximum sp	ecified o	charging voltag	je (V)		(J.E	4.2	Write Alver All	_
Maximum sp	ecified o	charging currer	nt (A)			1.8	at at a	_
Highest spec	ified cha	arging tempera	ature (°C)		:	45	in any and	
Lowest speci	fied cha	arging tempera	ture (°C)	10	:	0	et jet jiet	
Battery	,,	Operating		Measuremen	t		Observati	on
manufacturer	/type	and fault condition	Charging voltage (V)	Charging current (A)		Temp. (°C)		
Lowest specif	fied cha	rging temperat	ure: 0°C	20, 1	٠		et let o	et life
Shenzhen Ci Jia Ying Technology (J	Normal	3.625	uni O' un	te	Battery mperature: 0°C	The battery charging circuit stop charging	
Ltd / 18650		Abnormal-	A	gratin - arch	10	16. Tu		at-
	140	Single fault		CTER - CTER			WALTE WALTE	WELL M
Highest speci	ified cha	arging tempera	ture: 45°C				THE LIEF OF	if ^{eit} and
Shenzhen City Bai Jia Ying Technology Co.,		Normal	3.625	0	te	Battery mperature: 45°C	The battery charging circuit stop charging	
Ltd / 18650	J	Abnormal-	Tier AVI	mr mr.		<u> </u>	The state of the	All the
	ALL ALL	Single fault	EK JALTEK	NITEK WALTER	ال	ALTE VIALT	-unit vinis	Mr. 1

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit; MSCV= maximum specified charging voltage; MSCC= maximum specified charging current; HSCT= highest specified charging temperature; LSCT= lowest specified charging temperature

TABLE: Circuits intended for interconnection with building wiring (LPS)							
Condition	11 ()()	Time (a)	I _{sc} ((A)	S (VA)		
Condition	U _{0c} (V)	Time (s)	Meas.	Limit	Meas.	Limit	
ALTER MITER MALT	100, 1	1, 4,	7	* 1	- (E)+	CIENT SI	
4	All S	CER STEE	WITE OF	it with	14/1 1	L 20	
LIER MITE WALTE	my in	29,	7	* *	At .	SEL STEE	
	J. J. E.	- JE	NITE WALL	WILL	ins in	10,	
	Condition			Condition U _{oc} (V) Time (s)	Condition U _{oc} (V) Time (s)	Condition $U_{oc}(V)$ Time (s) $I_{sc}(A)$ S (



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y My	Mr. Mr. Mr. A.	IEC 62368-1	ir, Mur and
Clause	Requirement – Test	Result – Remark	Verdict

SC = short circuit, OC = open circuit

T.2, T.3, T.4, T.5	TABLE: Steady force test								N/A	
Location / Part	Material Thickness (mm) Probe		Probe	Force Duration (s)		Observation				
- x+	et de	t TEN	TEX TOLL	, mr	Mrs.	211. 121.		1	, E.K.	
WELL M	211	10, 10,	20	10	TEX	TEK NUTE	MLTE	Militar	W. C.	
A 1	t the	CIEN SLIFE	- WITE	21/2	me in	10	.4	26	- EX	
Supplementa	ary informati	on:								
et et	LEX.	JEK JE	WITE V	1000	11 211			.(-	et a	

ABLE: Impa	ict test	recommender	20, 20	N/A
Material	Thickness (mm)	Height (mm)	Observation	
WILL A	Pier Me M		the tell itell still oute	MALTE IN
- A-1-	St St St	L LALLY	With the Man and the	
14 14	3 7 20	24	IN A STATE MITTER	with whi
y information	n:			
	Material	Material Thickness (mm) Ty information:	Material Thickness (mm) Height (mm)	Material Thickness (mm) Height (mm) Observation

T.7 TABLE: Drop test			TABLE: Drop test			
Location/Pa	rt Material	Thickness (mm)	Height (mm)	Observation		
2/1. 2n.	, ,,,	at at s	y NITE	WILL MULL MULL MILL MILL MILL		
ITEH OLIFE	White WAL	Mur Mr	77, 7	at the fift that the street and		
7,	1 1	- Ret Lest	WITE WIL	met me me m		
Supplement	ary information	:				

T.8	TABLE: Stress	s relief test	IER NITER	intra with	in mer mer	N/A	
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observ	ation	
in with	21/2 21/2	- 2h	all a	et Jet	CLIEB WILLES	in which when	
Supplementary information:							
Aller All	10, 10,	20.	et et	CENT.	LIE MITE MALTE	Mr. Mr.	



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The Main	Mr. Mer an	IEC 62368-1	TER OUTER WILLER	rip Auril Auri
Clause	Requirement – Test	Tite, Muring My My	Result – Remark	Verdict

X TABLE: A	lternative method for determini	ive method for determining minimum clearances distances						
Clearance distance between:	Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)					
THE WALL WALL	ne m - m	AL THE THE	LIER WILLE - WILLE WI					
Supplementary informa	ion:							

4.1.2	TABLE: Critical components information									
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹					
Plastic enclosure	LG Chem Huizhou Petrochemical Co Ltd	HP181	HB, 75°C, Min. Thickness 1.5mm	UL 94, UL 746	UL E476284					
Battery	Shenzhen City Bai Jia Ying Technology Co., Ltd	18650	1200mAh, 3.7V	IEC 62133- 2:2017	Report No.: SZABB2204 26003-01					
Internal wire	Shenzhen Dingyu Electrical Technology Co Ltd	1007	80°C, VW-1, Min. 28AWG	UL 758	UL E365423					
РСВ	Interchangeable	Interchangeabl e	V-0, 130°C	UL 796	UL					
Speaker	Interchangeable	Interchangeabl e	4 ohm, 5W	White while	TOTAL MUT					

Supplementary information:

1) License available upon request. Provided evidence ensures the agreed level of compliance. See OD-CB2039.



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Photo Documentation

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Figure 1: Over view

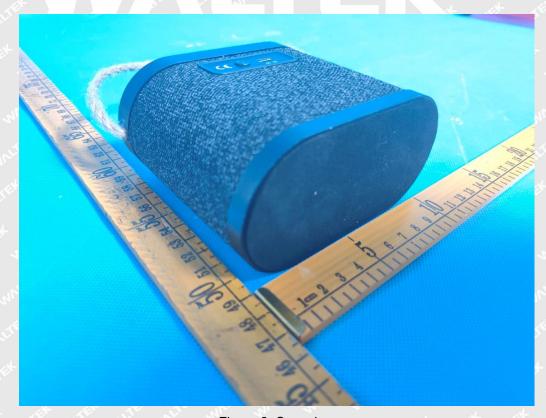


Figure 2: Over view



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Photo Documentation

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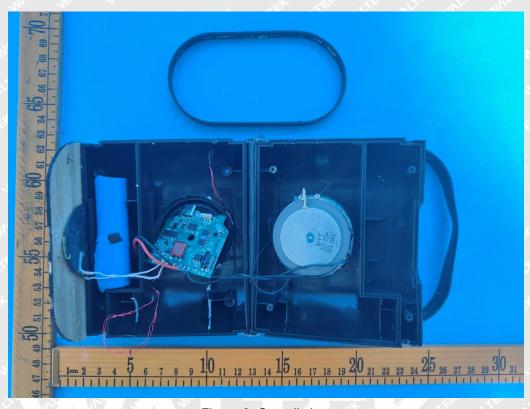


Figure 3: Overall view

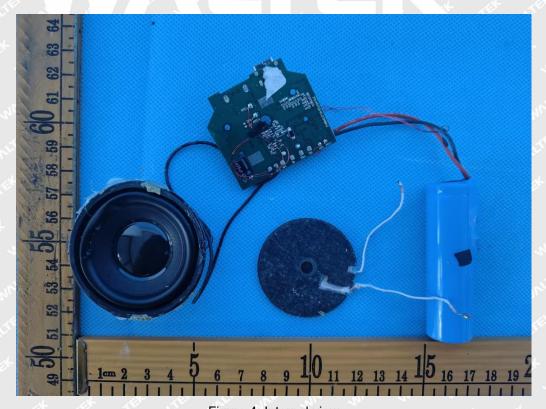


Figure 4: Internal view



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Photo Documentation

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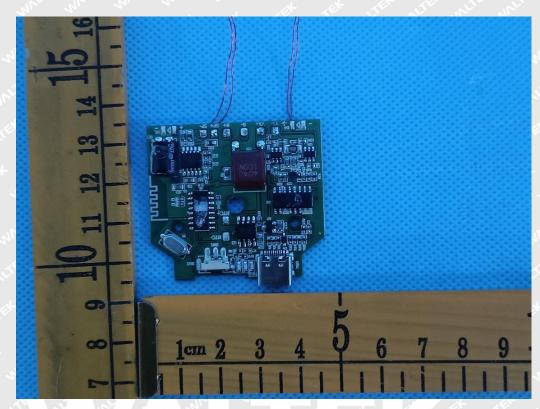


Figure 5: PCB view

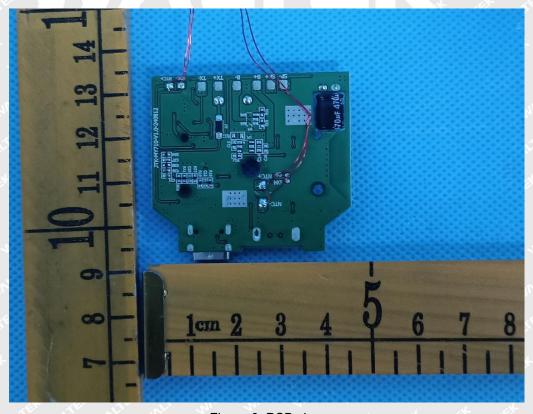


Figure 6: PCB view ===== End of Report =====