



TEST REPORT

Reference No.....: WTF23D10232283Y

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

Address...... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,

Hong Kong

Manufacturer..... : 106613

Address.....: --

Product.....: Recycled PU speaker

Model(s)..... : MO2173

Total pages : 67 pages and 4 pages of photo.

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample....: 2023-11-07

Date of Test.....: 2023-11-07 to 2023-12-11

Date of Issue...... 2023-12-13

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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Compiled by:

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Soupelle

Approved by:

Almon Zhao / Designated Reviewer



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Test item description	Recycled PU	speaker
Trademark:	МОВ	
Model and/or type reference	MO2173	
Rating(s):	Input: 5VDC, Battery: 3.7V	0.5A , 300mAh, 1.11Wh
Remark:	m. m.	
Whether parts of tests for the product h	ave been sub	contracted to other labs:
☐ Yes ⊠ No		
If Yes, list the related test items and lal	information:	
Test items: Lab information:	Mury 2	ER TER TER STEEL WITER WHITER WHITER
Summary of testing:	INLIES WAS	The Mr. Mr. W. S. T. St. St.
Tests performed (name of test and to	est clause):	Testing location:
- EN IEC 62368-1: 2020+A11: 2020		No. 77, Houjie Section, Guantai Road,
The submitted samples were found to the requirements of above specification		Houjie Town, Dongguan City, Guangdong, China
EU Group Differences ☑ The product fulfils the requirements	of EN IEC 623	368-1:2020+A11:2020.
Use of uncertainty of measurement	for decisions	on conformity (decision rule) :
No decision rule is specified by the applicable limit according to the specified.	ne IEC standa cification in the	rd, when comparing the measurement result with the at standard. The decisions on conformity are made acceptance" decision rule, previously known as
Other: (to be specified, for examprequirements apply)	ole when requir	red by the standard or client, or if national accreditation
Information on uncertainty of measurement are OD-5014 for test equipment and applic	rement:	

measurement uncertainty for measurements is not necessary unless required by the test standard or

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted

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customer.

the testing.





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 donot 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:	
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:	25°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):	⊠ 0.105kg



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Il separator.
nargeable Li-ion Battery.



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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 Cell	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
PS1: <15 Watt circuits	PCB	N/A	N/A	N/A
PS1: <15 Watt circuits	The other components/materials	N/A	N/A	N/A
7	Injury caused by hazardous substances			
Class and Energy Source	Body Part (e.g., Skilled)	Safeguards		
(e.g. Ozone)		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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in an	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	JIN 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	ITEX WILL
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	W 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 24 24	N/A
4.4.3.2	Steady force tests	TEN TO STATE OF	N/A
4.4.3.3	Drop tests	u m. m. m.	N/A
4.4.3.4	Impact tests	1 TEX STEEL WILLIAM	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 Mr.	Glass impact test (1J)	LIER MITER MALIE WALLE	N/A
et et	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	WELL WITE WHILE MALL MA	N/A
4.4.3.9	Air comprising a safeguard	a state of	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	E WILL MILL MILL AND	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	CLIEF WILL WILL AND	P
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	FEF P
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	NIV PE



N/A

N/A

N/A

N/A

Ρ

N/A

N/A

N/A

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Clause	Requirement – Test	Result – Remark	Verdict	
T. June	THE THE STATE OF	ite nit with whi wi	in an	
	No harm by explosion during single fault conditions	(See Clause B.4)	P	
4.6	Fixing of conductors	See below	N/A	
LITE WAY	Fix conductors not to defeat a safeguard	itely litely writer writer	N/A	
A	Compliance is checked by test	the the the the	N/A	
4.7	Equipment for direct insertion into mains sock	et-outlets	N/A	
4.7.2	Mains plug part complies with relevant standard	Not direct plug-in equipment.	N/A	
4.7.3	Torque (Nm)	et outer antier white whi	N/A	
4.8	Equipment containing coin/button cell batteries		N/A	
4.8.1	General	No coin/button cell batteries used.	N/A	
4.8.2	Instructional safeguard	THE LITER RELIEF MILITER	N/A	
4.8.3	Battery compartment door/cover construction	10 24 20 20	N/A	
WILL	Open torque test	Et NITER WITE WITE W	N/A	
4.8.4.2	Stress relief test	the state of	N/A	
4.8.4.3	Battery replacement test	CLIEB WILL MALL WALL	N/A	
4.8.4.4	Drop test		N/A	
4.8.4.5	Impact test	White white	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	the mer me me	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	Р
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	L M M M	P
5.3	Protection against electrical energy sources	tek tek atter atter and	NP

Likelihood of fire or shock due to entry of conductive object

4.8.4.6

4.8.5

4.9

4.10

4.10.1

4.10.2

Crush test

Compliance

30N force test with test probe

20N force test with test hook

Component requirements

Disconnect Device

Switches and relays



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	EN IEC 62368-	, "th. "co. "	S
Clause	Requirement – Test	Result – Remark	Verdict
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	The the the	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	my my my my	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	NITES WAITES WHITES WAITES	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
NALTE W	Accessibility to outdoor equipment bare parts	t liet alies alies an	N/A
5.3.2.2	Contact requirements	My Am Am	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)	an an at the	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 set	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	the state of	P
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	The state of	N/A
5.4.1.6	Insulation in transformers with varying dimensions	CLIEF WITE WALL WALL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	a st st set	N/A
5.4.1.8	Determination of working voltage	rite until until until	N/A
5.4.1.9	Insulating surfaces	a state of	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	MULL MULL MILL M	N/A
5.4.1.10.2	Vicat test	CHIER WALLE WALLE 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 St. St. Set.	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 intermite ou	N/A
All the second	Temporary overvoltage	70 St Ct C	e —
5.4.2.3	Procedure 2 for determining clearance	alter outer white was	N/A



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Clause	EN IEC 62368-	70, 70, 70	Verdict
Clause	Requirement – Test	Result – Remark	verdict
5.4.2.3.2.2	a.c. mains transient voltage	Mr. Mr. Mr.	
5.4.2.3.2.3	d.c. mains transient voltage	TEX STEX WITE	antie _
5.4.2.3.2.4	External circuit transient voltage	The sale in	
5.4.2.3.2.5	Transient voltage determined by measurement	LIFE NEITH WALFER	N.T
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	TEX STEX STEX SIN	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	t Tex ITEX SITE	N/A
5.4.2.6	Clearance measurement	my my my	N/A
5.4.3	Creepage distances	THE LIER OLITER	N/A
5.4.3.1	General	211 211 211	N/A
5.4.3.3	Material group	TER STEE WITE SI	- L
5.4.3.4	Creepage distances measurement	, , , , , , , , , , , , , , , , , , ,	N/A
5.4.4	Solid insulation	Et NIET WILLENNE	N/A
5.4.4.1	General requirements		N/A
5.4.4.2	Minimum distance through insulation	White while while	N/A
5.4.4.3	Insulating compound forming solid insulation		N/A
5.4.4.4	Solid insulation in semiconductor devices	The Sunting	N/A
5.4.4.5	Insulating compound forming cemented joints	, t	N/A
5.4.4.6	Thin sheet material	CLE MULL MULL MIL	N/A
5.4.4.6.1	General requirements	t get get ut	N/A
5.4.4.6.2	Separable thin sheet material	The Me Me	N/A
WITE ON	Number of layers (pcs)	TEK TEK STEK	N/A
5.4.4.6.3	Non-separable thin sheet material	any any any	N/A
Lie Mili	Number of layers (pcs)	THE THE STEEL	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	it the the	N/A
5.4.4.6.5	Mandrel test	Mr. Mr. 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 THE	N/A
- EL - LEX	Alternative by electric strength test, tested voltage (V), K _R	mer mer mer	N/A
5.4.5	Antenna terminal insulation	LIEM MALTE WALL WA	N/A
5.4.5.1	General	a at the st	+ N/A
5.4.5.2	Voltage surge test	WALL MALL WALL	N/A
5.4.5.3	Insulation resistance (MΩ)	L A A	N/A



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20,	EN IEC 62368-	Committee and any	20 20
Clause	Requirement – Test	Result – Remark	Verdict
an .	n n the state of t	EL MALLE MALL MALL	me m
	Electric strength test		N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	MULTE MULT MULL M	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NITER WALTER WALTER WALT	N/A
5.4.8	Humidity conditioning	A LET LET LET	N/A
- 76x	Relative humidity (%), temperature (°C), duration (h)	Mer Aug au	4 -
5.4.9	Electric strength test	MITTER MALTE MALTE	N/A
5.4.9.1	Test procedure for type test of solid insulation	L A St.	N/A
5.4.9.2	Test procedure for routine test	WILL MILL MILL WILL	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIES WIFE MITES MILIE	N/A
5.4.10.1	Parts and circuits separated from external circuits	· · · · · · · · · · · · · · · · · · ·	N/A
5.4.10.2	Test methods	ET WITE WALL WALL	N/A
5.4.10.2.1	General	at at all	N/A
5.4.10.2.2	Impulse test	WILL MULL ME M	N/A
5.4.10.2.3	Steady-state test	A CAN S	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	a lar an	N/A
5.4.11	Separation between external circuits and earth	TE WITE WILL WILL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	t lifet slifet milet	N/A
5.4.11.2	Requirements	7/1 7/1	N/A
Mr. W.	SPDs bridge separation between external circuit and earth	MULTER WALTER WALTER WA	N/A
Lite Mali	Rated operating voltage U _{op} (V)	TEX LIEX NUTER WITH	_
* #	Nominal voltage U _{peak} (V)	L. M. M. M.	_
MULT	Max increase due to variation ΔU _{sp}	IER STIER WITE WITE	_ n_
. At	Max increase due to ageing ΔU _{sa}	211. 21. 2. 2.	_
5.4.11.3	Test method and compliance	CULTER MALLER MALLER M	N/A
5.4.12	Insulating liquid	a test	N/A
5.4.12.1	General requirements	UNITED WALLS WALLS WALL	N/A
5.4.12.2	Electric strength of an insulating liquid	a de de de	N/A
5.4.12.3	Compatibility of an insulating liquid	LIE WALL MALL MILL	N/A
5.4.12.4	Container for insulating liquid	at at at at	N/A
5.5	Components as safeguards	MULL AND MILL	N/A
5.5.1	General	No such components as safeguards.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
5.5.2	Capacitors and RC units	The same and	N/A	
5.5.2.1	A CONTRACTOR OF THE CONTRACTOR	10 10 10 10 10 10 10 10 10 10 10 10 10 1	- (*)V	
227	General requirement	any any are	N/A	
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	TEX TEX NITER OF	N/A	
5.5.3	Transformers	V. 19 2.	N/A	
5.5.4	Optocouplers	TER STER WITER WAL	N/A	
5.5.5	Relays	711 212	N/A	
5.5.6	Resistors	A STER WITER WITER	N/A	
5.5.7	SPDs	The state of	N/A	
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	antifer while while a	N/A	
5.5.9	Safeguards for socket-outlets in outdoor equipment	LIER WHITER WHITER WA	N/A	
A CLIEN	RCD rated residual operating current (mA)	at the the the		
5.6	Protective conductor	Auto Auto Auto	N/A	
5.6.2	Requirement for protective conductors	t rest rest right	N/A	
5.6.2.1	General requirements	Class III equipment	N/A	
5.6.2.2	Colour of insulation	ALTER STITES	N/A	
5.6.3	Requirement for protective earthing conductors	2 2 2 2 2 2 2 2 2 2 2 2	N/A	
LE MULLE	Protective earthing conductor size (mm²)	The Life of the Miles	_ 1	
t NLTEX	Protective earthing conductor serving as a reinforced safeguard	* Tet Tet Tel	N/A	
TEK.	Protective earthing conductor serving as a double safeguard	Mus. Any Ang	N/A	
5.6.4	Requirements for protective bonding conductors	MULL MULL MULL	N/A	
5.6.4.1	Protective bonding conductors	at at let	N/A	
20	Protective bonding conductor size (mm²)	LEE MEET ME ME	_	
5.6.4.2	Protective current rating (A)	et let let il	N/A	
5.6.5	Terminals for protective conductors	Mr. Mr. M.	N/A	
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	- WALLEY WALTER WALTER	N/A	
INLIEL WIN	Terminal size for connecting protective bonding conductors (mm)	NATER WILL MATER	N/A	
5.6.5.2	Corrosion	the state of	N/A	
5.6.6	Resistance of the protective bonding system	LIE WILL WALL AND	N/A	
5.6.6.1	Requirements	1 1 1 1	N/A	
5.6.6.2	Test Method	TO MALLE MALL MALL	N/A	
5.6.6.3	Resistance (Ω) or voltage drop		N/A	



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Clause	Requirement – Test	Result – Remark	Verdict
The same	THE THE THE THE	The Will Mary one we	700
5.6.7	Reliable connection of a protective earthing conductor	tet the till not	N/A
5.6.8	Functional earthing	Mr. Mr. M. M.	N/A
LIFE WAL	Conductor size (mm²)	TER LIER WITER WITER	N/A
- الد عد	Class II with functional earthing marking	the state of the	N/A
IL MALL	Appliance inlet cl &cr (mm)	TEX STIER STIER STRITE S	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	EX STEE WITE WALL VAN	N/A
5.7.2.1	Measurement of touch current	30 3 A A	N/A
5.7.2.2	Measurement of voltage	CLIEB WILL WALL WALL	N/A
5.7.3	Equipment set-up, supply connections and earth connections	TEX STEX STEX WITEK	N/A
5.7.4	Unearthed accessible parts	5 14 10 V	N/A
5.7.5	Earthed accessible conductive parts	EX SITES NITES MITE W	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	Tet Ite Tite of	N/A
4,, —	Protective conductor current (mA)	The August Augus	N/A
NITE MI	Instructional Safeguard	ALL STREET 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 the the the	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	MULTER WHITER WHITER WA	N/A
5.7.8	Summation of touch currents from external circuits	THE MITES WHITE WALT	N/A
LITEK MINI	a) Equipment connected to earthed external circuits, current (mA)	TEN LIEN SLIEN WITH	N/A
EY NITEY	b) Equipment connected to unearthed external circuits, current (mA)	at tet tet tet	N/A
5.8	Backfeed safeguard in battery backed up supplies		N/A
MITE	Mains terminal ES	No battery used	N/A
200	Air gap (mm)	The Mr. Mr. In.	N/A

6	ELECTRICALLY- CAUSED FIRE		Р
6.2	Classification of PS and PIS	at the fift the state	LITE PINET
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)	TEK WILLEK



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Clause	Deguirement Teet	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
6.2.3	Classification of potential ignition sources	See the following details.	Р
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)	N/A
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	P P
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials		P White
in in	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condit	tions	P
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	EX INTEX WATER WATER W	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	LIEK SLIEK MLIEK ML	N/A
6.4.3.1	Supplementary safeguards	The state of the s	N/A
6.4.3.2	Single Fault Conditions	LEX MILL MILL	N/A
et e	Special conditions for temperature limited by fuse	The second	N/A
6.4.4	Control of fire spread in PS1 circuits	THE WALL WALL WALL	Р
6.4.5	Control of fire spread in PS2 circuits	and the state of	N/A
6.4.5.2	Supplementary safeguards	MALIE WALL WALL WAS	N/A
6.4.6	Control of fire spread in PS3 circuits	at at at at	N/A
6.4.7	Separation of combustible materials from a PIS	MULLE MULL MULL MULL	N/A
6.4.7.2	Separation by distance	of let tet itel	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	See below.	P
6.4.8.2	Fire enclosure and fire barrier material properties	V-1 plastic enclosure used	Р
6.4.8.2.1	Requirements for a fire barrier	No fire barrier used.	N/A
6.4.8.2.2	Requirements for a fire enclosure	V-1 plastic enclosure used	Р
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	See below	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A
6.4.8.3.2	Fire barrier dimensions	No specific barrier provided.	N/A
6.4.8.3.3	Top openings and properties	No top opening	N/A
	Openings dimensions (mm)	Any Any On Any	N/A
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
ale .	an a	EL WILL WITH MY	211	
EFF	Openings dimensions (mm)		N/A	
ang an	Flammability tests for the bottom of a fire enclosure	MULTE MULTE MULT WALL	N/A	
Tiles Mily	Instructional Safeguard	THE THE NUTER WITE	N/A	
6.4.8.3.5	Side openings and properties	No side openings	N/A	
MALITY	Openings dimensions (mm)	TEX SLIEK WITER WITE W	N/A	
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	No enclosure can be opened by an ordinary person	N/A	
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	V-1 plastic enclosure used	P	
6.4.9	Flammability of insulating liquid	antit with any with	N/A	
6.5	Internal and external wiring	A SH SH TEN	JUN 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 UNI	
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	
, when	m m m	The the strength of	10, 11,	
7	INJURY CAUSED BY HAZARDOUS SUBSTANC		Р	
7.2	Reduction of exposure to hazardous substance	S THE WALL WALL OF	N/A	
7.3	Ozone exposure		N/A	
7.4	Use of personal safeguards or personal protect	ive equipment (PPE)	N/A	
16th 5	Personal safeguards and instructions	the state of	_	
7.5	Use of instructional safeguards and instruction	Sit anti anti anti	N/A	
EN STEN	Instructional safeguard (ISO 7010)	a state of		
7.6	Batteries and their protection circuits	it, with mir me m	P	
	The life with the and the same			
8	MECHANICALLY-CAUSED INJURY	<i></i>	J/P	
8.2	Mechanical energy source classifications	THE THE TEN	Р	
8.3	Safeguards against mechanical energy sources	THUTT, MUT, MUT, MIN,	P	
8.4	Safeguards against parts with sharp edges and	corners	Р	
8.4.1	Safeguards	The Man Man Man	Р	
	Instructional Safeguard:	MS1: Edges and corners of enclosure	P	



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Clause	Requirement – Test	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 1th 1th	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):	To the left	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 make my	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 STEE 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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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
8.6.2	Static stability	Anti Anti Ale a	N/A	
8.6.2.2	Static stability test:	THE STATE OF	N/A	
8.6.2.3	Downward force test	MULL MAY MAY MAY	N/A	
J	the state of the s	THE THE WITH MITH		
8.6.3	Relocation stability	We all all a	N/A	
ier write	Wheels diameter (mm):	Color State State		
	Tilt test	Mr. Mr. Mr.	N/A	
8.6.4	Glass slide test	* STEP WITER WITER	N/A	
8.6.5	Horizontal force test	211, 211,	N/A	
8.7	Equipment mounted to wall, ceiling or other stru		N/A	
8.7.1	Mount means type	No wall or ceiling	N/A	
8.7.2	Test methods	LIFE WILL WHILE WHILE	N/A	
it the	Test 1, additional downwards force (N):		N/A	
m, t	Test 2, number of attachment points and test force (N)	the marie marie water	N/A	
	Test 3 Nominal diameter (mm) and applied torque (Nm)	WHITEK WHITEK WHITEK WA	N/A	
8.8	Handles strength	at the city	N/A	
8.8.1	General	No handles	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	71 ¹⁸ 1071	
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	211 24 25	N/A	
8.10.1	General	No carts, stands or similar carriers	N/A	
8.10.2	Marking and instructions	Et JET JET WITH	N/A	
8.10.3	Cart, stand or carrier loading test	Mr. My M.	N/A	
MALTE I	Loading force applied (N)	tiek witek witer or	N/A	
8.10.4	Cart, stand or carrier impact test	14. 14. 15.	N/A	
8.10.5	Mechanical stability	ALTER OLITER MOLTER MALT	N/A	
A A	Force applied (N):			
8.10.6	Thermoplastic temperature stability	LIET MITE MALE WALL	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 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict
ale.	The The Table	THE LIFE WITH WALL	Mrs. Mrs.
	Instructional Safeguard		N/A
8.11.3	Mechanical strength test	TER OLITER ANTICE MALTE	W/A
8.11.3.1	Downward force test, force (N) applied	:	N/A
8.11.3.2	Lateral push force test	RITE WILL WALL VI	N/A
8.11.3.3	Integrity of slide rail end stops	4 4 4	N/A
8.11.4	Compliance	THE WALL WALL THE	N/A
8.12	Telescoping or rod antennas	a state of	N/A
1/11/2	Button/ball diameter (mm)	: No such parts	20,

9	THERMAL BURN INJURY		₹ _{II} P
9.2	Thermal energy source classifications		Р
9.3	Touch temperature limits	TER WITE MUTTE MUTTER	P
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	IEL PLY
9.3.2	Test method and compliance	See B.1.6 & B.2.3	- Po
9.4	Safeguards against thermal energy source	SITE WITE WITE WALL WALL	An P
9.5	Requirements for safeguards		P
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.	THE AND
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitt	ters to the life life mark	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	LEK LIEK ALTER MILE MILLE	N/A
9.6.3	Test method and compliance	:1	N/A

10	RADIATION		P
10.2	Radiation energy source classification	the right writer with	Р
10.2.1	General classification	See below	P
ان ستناس	Lasers:	LITER NITER WHITE WHITE	_
LIEK WAL	Lamps and lamp systems:	RS1: LED only for indicating use which is considered as low power application.	_
JE SLIFE	Image projectors	at at let let s	
40,	X-Ray:	me me me	
CLIE!	Personal music player	LEK THE LIFE LIFE	_



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The Mary	min min min in	EN IEC 62368-1	WILL MILL MILL MILL
Clause	Requirement – Test	Result – Rema	ark Verdict

10.3	Safeguards against laser radiation		N/A
mer 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)	s and lamp systems	MALT P
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	ITE P
MALTER	Instructional safeguard provided for accessible radiation level needs to exceed	t stet mitet mitet mit	N/A
A	Risk group marking and location	111 111 111	N/A
West an	Information for safe operation and installation	LITER ONLIER WALTER WALTER	N/A
10.4.2	Requirements for enclosures	the to	N/A
is min	UV radiation exposure	LIER WILL WILL MILL	N/A
10.4.3	Instructional safeguard	and the state of	N/A
10.5	Safeguards against X-radiation	THE WILL MULT MY	N/A
10.5.1	Requirements	No X-radiation	N/A
11/2 0	Instructional safeguard for skilled persons	WILL WILL MILL AND	_
10.5.3	Maximum radiation (pA/kg)	A THE THE	_
10.6	Safeguards against acoustic energy sources	The Angle Angle	N/A
10.6.1	General	The Title	N/A
10.6.2	Classification	regularity and any are	N/A
NUTE	Acoustic output L _{Aeq,T} , dB(A)	the tell of the state of	N/A
LIFE S	Unweighted RMS output voltage (mV):		N/A
in 2.	Digital output signal (dBFS)	MULL MULL MULL MILL	N/A
10.6.3	Requirements for dose-based systems	et tet tet stet stet	N/A
10.6.3.1	General requirements	in my my my	N/A
10.6.3.2	Dose-based warning and automatic decrease	Et TEX LIER NITER OF	N/A
10.6.3.3	Exposure-based warning and requirements	The The The	N/A
MILITE	30 s integrated exposure level (MEL30)	- JEK NIEK NITER WAL	N/A
A	Warning for MEL ≥ 100 dB(A)	20 20 20 10 A	N/A
10.6.4	Measurement methods	TITEL NITER WHITE WALTER	N/A
10.6.5	Protection of persons	an an	N/A
in me	Instructional safeguards	LIEK MITE WALTE WALTE	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	at the state state we	N/A
10.6.6.1	Corded listening devices with analogue input	Mr. Mr. An.	N/A
White of	Listening device input voltage (mV)	TEN TEN LIET SLIFE	N/A



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100	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
10.6.6.2	Corded listening devices with digital input	The main walk	N/A	
antic al	Max. acoustic output L _{Aeq,T} , dB(A):	ALTER MATER MALTER	N/A	
10.6.6.3	Cordless listening devices	211 22	N/A	
Very aller	Max. acoustic output L _{Aeq,T} , dB(A)	NITER INLIES WALTE W	N/A	

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		Р
B.1	General	et the the ties of	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions		P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
it Tex	Audio Amplifiers and equipment with audio amplifiers	is and any	N/A
B.2.3	Supply voltage and tolerances	Rated input 5Vdc	Р
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	White Mur. Aut. Mur.	Р
B.3.1	General	(See appended table B.3)	P
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
SER OLIF	Instructional safeguard	THE THE	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)	Р
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	Р
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	n ^L P _s
B.4	Simulated single fault conditions	ret ret riet stiet stiet o	P
B.4.1	General	The My In A	Р
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	WALTER VINE
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	Р
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



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- 20.	EN IEC 62368-	The war will	20, 4,
Clause	Requirement – Test	Result – Remark	Verdict
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	Р
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	Р
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	W. P
B.4.9	Battery charging and discharging under single fault conditions	See annex M	ANTE P.
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV r	adiation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method		N/A
C.2	UV light conditioning test	mr. mr.	N/A
C.2.1	Test apparatus:	The state of the s	N/A
C.2.2	Mounting of test samples	The Muri Aug Mus .	N/A
C.2.3	Carbon-arc light-exposure test	* let tet itet .	N/A
C.2.4	Xenon-arc light-exposure test	Mr. Mr. Mr. M.	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	The Mr. Mr. 20.	N/A
D.2	Antenna interface test generator	THE THE STEEL WITCH	N/A
D.3	Electronic pulse generator	W. M. M. A.	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	× 11= 40 40 -	P
E.1	Electrical energy source classification for audio	o signals	P
MULL 1	Maximum non-clipped output power (W)	ALTER WITE WALL WA	_
LEX.	Rated load impedance (Ω):	The state of	-
ing an	Open-circuit output voltage (V)	write antil wat, with	_
78th J. J.	Instructional safeguard:	at at at the	_
E.2	Audio amplifier normal operating conditions	Hite mail mar mar .	Р
N VIIER	Audio signal source type:	at at all all.	_
10,	Audio output power (W):	Mur Mur Mur M	
JET	Audio output voltage (V):	et et det s	€



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Clause	Requirement – Test	Result – Remark	Verdict
Ciadoo	Troquilonient 1001	Trocal Tromant	Volunt
A.	Rated load impedance (Ω):	711 111	_
Mr. M	Requirements for temperature measurement	alter white white white	W. P
E.3	Audio amplifier abnormal operating conditions	The state of the s	P
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	SILL B
F.1	General	TEX SLIER WITE WHITE W	P.
- let	Language	English	_
F.2	Letter symbols and graphical symbols	A STEE WITE WITE WILL AND	J/P
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	JUNIA 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.	MITE P
F.3	Equipment markings	they my my my	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	WIN P
F.3.2	Equipment identification markings	See below for details.	Р
F.3.2.1	Manufacturer identification:	See copy of marking plate	Pir Pir
F.3.2.2	Model identification:	See copy of marking plate	, P
F.3.3	Equipment rating markings	See below for details.	Р
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vdc	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	W P
F.3.3.3	Nature of the supply voltage:	and the set	N/A
F.3.3.4	Rated voltage:	NITER WALL WALL WALL	N/A
F.3.3.5	Rated frequency:	a state of	N/A
F.3.3.6	Rated current or rated power:	The Marin Marin And And	N/A
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	at at all all	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	mer me me m	N/A
F.3.5.2	Switch position identification marking	THE WITH MANY MAN A	N/A
F.3.5.3	Replacement fuse identification and rating markings	EX NITER INITER MALTER MAI	N/A
et	Instructional safeguards for neutral fuse:	W	N/A
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	OLITER WITE MULTE WALL	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	he me in a	N/A
F.3.6.1.1	Protective earthing conductor terminal	TEX STEX WITH WITH W	N/A
F.3.6.1.2	Protective bonding conductor terminals:	<i>y</i> , <i>z</i> , , ,	N/A
F.3.6.2	Equipment class marking:	t refer wife while wi	N/A
F.3.6.3	Functional earthing terminal marking:	The state of	N/A
F.3.7	Equipment IP rating marking	This equipment is classified as IPX0.	mr_
F.3.8	External power supply output marking:	TER STER WITER 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.	JEK P
F.3.10	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.	PE JANLES AND THE SAME THE SAM
F.4	Instructions	Mr. Mr. Mr.	Р
rie Auri	a) Information prior to installation and initial use	See user manual	P
EK TEK	b) Equipment for use in locations where children not likely to be present	t it lit lit	N/A
201	c) Instructions for installation and interconnection	int we me	N/A
WALTER	d) Equipment intended for use only in restricted access area	THE MILET WALTER WALT	N/A
Alt .	e) Equipment intended to be fastened in place	The second second	N/A
We are	f) Instructions for audio equipment terminals	WILL MULL MULL MULL	N/A
TEX JE	g) Protective earthing used as a safeguard	L A A A	N/A
4	h) Protective conductor current exceeding ES2 limits	The Murray Murray	N/A
MULL	i) Graphic symbols used on equipment	et niter wite anite w	N/A
- LTEX O	j) Permanently connected equipment not provided with all-pole mains switch	it it the the	N/A



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01	EN IEC 62368-		1,7
Clause	Requirement – Test	Result – Remark	Verdict
NI CLIER	k) Replaceable components or modules providing safeguard function	et tet tet	N/A
21 - 2	Equipment containing insulating liquid	MUT MY MY	N/A
LIE WIL	m) Installation instructions for outdoor equipment	LEK JEK SJEK W	N/A
F.5	Instructional safeguards	Mrs. Mrs. Mrs. Mrs.	N/A
G	COMPONENTS		E. P.
G.1	Switches	- 14 14 14 14 14 14 14 14 14 14 14 14 14	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	71 7	N/A
G.1.3	Test method and compliance	CHIEF WIFE WALTE	N/A
G.2	Relays	. * * c*	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	a a at at	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	MILL WALL WALL	N/A
G.2.4	Test method and compliance	CLIEB WITE WALLE	N/A
G.3	Protective devices	The state of the s	N/A
G.3.1	Thermal cut-offs	No such component	N/A
iek white	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	The still skill spill	N/A
k WITEK	Thermal cut-outs tested as part of the equipment as indicated in c)	t ret ret viet	N/A
G.3.1.2	Test method and compliance	Mr. Mr. My	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	and the list of	N/A
777	b) Thermal links tested as part of the equipment	VII MUE MUE AND AND	N/A
G.3.2.2	Test method and compliance	et let let lit	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	My My M	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	mari mari mar m	N/A
G.3.5.2	Single faults conditions	LIE WALTE WALTE WAL	N/A
G.4	Connectors	s at at all	N/A
G.4.1	Spacings	No such component	N/A
G.4.2	Mains connector configuration:	a at at	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	the art are	N/A	
G.5	Wound components	mer me me	N/A	
G.5.1	Wire insulation in wound components	No such component	N/A	
G.5.1.2	Protection against mechanical stress	her me me	N/A	
G.5.2	Endurance test	TEK STEK OLIEK SOLT	N/A	
G.5.2.1	General test requirements	711 711 7	N/A	
G.5.2.2	Heat run test	A STEEL WITE WALTER	N/A	
, et	Test time (days per cycle)	77		
ing an	Test temperature (°C)	WITE WITE WALL A	ne _	
G.5.2.3	Wound components supplied from the mains	(1) L L L	N/A	
G.5.2.4	No insulation breakdown	LIE WALL WALL ON	N/A	
G.5.3	Transformers	a at at a	N/A	
G.5.3.1	Compliance method:	the write with write	N/A	
JEK	Position:	at at the	N/A	
201 0	Method of protection	Will Mrs. Mrs.	N/A	
G.5.3.2	Insulation	LET TELL	N/A	
, <u> </u>	Protection from displacement of windings:	1 1/1 2/1		
G.5.3.3	Transformer overload tests	All I'm I'm I'm	N/A	
G.5.3.3.1	Test conditions	and the same	N/A	
G.5.3.3.2	Winding temperatures	of the stiff wife	N/A	
G.5.3.3.3	Winding temperatures - alternative test method	14 14 2	N/A	
G.5.3.4	Transformers using FIW	LIER OLIER MILE	N/A	
G.5.3.4.1	General	The American	N/A	
re mer	FIW wire nominal diameter:	ALTER MLTER MALTER MAN		
G.5.3.4.2	Transformers with basic insulation only		N/A	
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	it white white whi	N/A	
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	White white white	N/A	
G.5.3.4.5	Thermal cycling test and compliance	TEX LIER LIER	N/A	
G.5.3.4.6	Partial discharge test	ne ne m	N/A	
G.5.3.4.7	Routine test	TEX STEX STEE SIL	N/A	
G.5.4	Motors	No motors used.	N/A	
G.5.4.1	General requirements	EX SLIER WITER SPATE	N/A	
G.5.4.2	Motor overload test conditions	711 711 74	N/A	
G.5.4.3	Running overload test	LIEF SITE WITE	N/A	

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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result - Remark	verdict
G.5.4.4.2	Locked-rotor overload test	me me	N/A
WALLE WA	Test duration (days):	LIEF RITER MITTER	mrii -
G.5.4.5	Running overload test for DC motors	20,00	N/A
G.5.4.5.2	Tested in the unit	RETER WILLE WHITE W	N/A
G.5.4.5.3	Alternative method	1 1 1 1 1	o N/A
G.5.4.6	Locked-rotor overload test for DC motors	TER WALTE WALT WAL	N/A
G.5.4.6.2	Tested in the unit	L A AT ACT	N/A
1/2 1/	Maximum Temperature	Will Mr. Mr.	N/A
G.5.4.6.3	Alternative method	at let let	N/A
G.5.4.7	Motors with capacitors	MULL MULL MULL A	N/A
G.5.4.8	Three-phase motors	all the text of	N/A
G.5.4.9	Series motors	or me me m	N/A
JALIE .	Operating voltage:	Et JEK JEK KIR	- in
G.6	Wire Insulation	The The Th	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	W. M. A.	N/A
G.7	Mains supply cords	- City of Military	N/A
G.7.1	General requirements	No such component	N/A
in with	Type:	LIE MILE WILL MILE	<u> </u>
G.7.2	Cross sectional area (mm² or AWG)	1 1 1 10	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	White White Whi	N/A
G.7.3.2	Cord strain relief	STEE SLIE SPLIE	N/A
G.7.3.2.1	Requirements	The state of the s	N/A
Tr. Mr.	Strain relief test force (N)	RLIEF WITE WALL W	N/A
G.7.3.2.2	Strain relief mechanism failure		N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	THE WALL WALL WALL	N/A
G.7.3.2.4	Strain relief and cord anchorage material	L A St St	N/A
G.7.4	Cord Entry	WALL MAL MAL	N/A
G.7.5	Non-detachable cord bend protection	at let let	N/A
G.7.5.1	Requirements	Will Mary Mary A	N/A
G.7.5.2	Test method and compliance	at the the	N/A
k Tek	Overall diameter or minor overall dimension, <i>D</i> (mm)	and with the	-
21/2 3	Radius of curvature after test (mm):	e while mury mur	an -
G.7.6	Supply wiring space	1 1 1	N/A



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- 20,	EN IEC 62368-	Key The The Man	20. 20.
Clause	Requirement – Test	Result – Remark	Verdict
0701		the the main me, on	70
G.7.6.1	General requirements	1 1 1 1 1 1 S	N/A
G.7.6.2	Stranded wire	WILL WILL ME ME	N/A
G.7.6.2.1	Requirements	the state of the	N/A
G.7.6.2.2	Test with 8 mm strand	WILL MULL MULL MULL	N/A
G.8	Varistors	the state of the	N/A
G.8.1	General requirements	No such component	N/A
G.8.2	Safeguards against fire	t at all all a	N/A
G.8.2.1	General	MULL MULL MULL MILL	N/A
G.8.2.2	Varistor overload test	at at the other	N/A
G.8.2.3	Temporary overvoltage test	are me me m	N/A
G.9	Integrated circuit (IC) current limiters	et get get aller	N/A
G.9.1	Requirements	No such component	N/A
	IC limiter output current (max. 5A):	et let liet with a	_
- L	Manufacturers' defined drift:	Mr. M. M.	_
G.9.2	Test Program	TEX LIFE RITER AND	N/A
G.9.3	Compliance	We An An An	N/A
G.10	Resistors	LET MILLE MALIE	N/A
G.10.1	General	No such component	N/A
G.10.2	Conditioning	THE NITE WITH WALTER	N/A
G.10.3	Resistor test	5th	N/A
G.10.4	Voltage surge test	ed outer outer white you	N/A
G.10.5	Impulse test		N/A
G.10.6	Overload test	CULTER WHITE WALL WALL	N/A
G.11	Capacitors and RC units	a state of the	N/A
G.11.1	General requirements	No such component	N/A
G.11.2	Conditioning of capacitors and RC units	a at at at	N/A
G.11.3	Rules for selecting capacitors	the many many many	N/A
G.12	Optocouplers	t at let let le	N/A
The S	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A
11. 11.	Type test voltage V _{ini,a} :	WILL MULL MULL MULL	_
TEN LIE	Routine test voltage, V _{ini, b} :	A St St St	_
G.13	Printed boards	THE MULT MULT MULT	N/A
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	N/A
G.13.2	Uncoated printed boards	ITER STEET WITE WITE	N/A



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Clause	EN IEC 62368-	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
G.13.3	Coated printed boards	Ang Ang an	N/A
G.13.4	Insulation between conductors on the same inner surface	WALTER WALTER WALTER	N/A
G.13.5	Insulation between conductors on different surfaces	NUTER WALTER WALTER WA	N/A
EK NIER	Distance through insulation	at alt set of	N/A
-20,	Number of insulation layers (pcs)	in the me me	1, -
G.13.6	Tests on coated printed boards	t get get jet	N/A
G.13.6.1	Sample preparation and preliminary inspection	The Mrs. Mrs.	N/A
G.13.6.2	Test method and compliance	TEX LIEX SLIER	N/A
G.14	Coating on components terminals	Mr. M. M.	N/A
G.14.1	Requirements	STEP STEP OUTER ON	N/A
G.15	Pressurized liquid filled components	1 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/	L N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	20 7	N/A
G.15.2.1	Hydrostatic pressure test	OLIER MILE MALLE	N/A
G.15.2.2	Creep resistance test		N/A
G.15.2.3	Tubing and fittings compatibility test	Mari M	N/A
G.15.2.4	Vibration test		N/A
G.15.2.5	Thermal cycling test	The water was my	N/A
G.15.2.6	Force test	t at alt let	N/A
G.15.3	Compliance	MULL MULL MULL	N/A
G.16	IC including capacitor discharge function (ICX)	. It let tex	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
LTER JOLT	ICX with associated circuitry tested in equipment	TEK TEK LITEK OL	N/A
<i>3</i>	ICX tested separately	VI AVE AVE AVE	N/A
G.16.2	Tests	Et SEX STEEL MITE	N/A
SUTER	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	the text item	
Telt 1	Mains voltage that impulses to be superimposed on	Mur mur mur	TEX -
	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	MULLE MULLE MILL M	
G.16.3	Capacitor discharge test	LIER OLIER MILIER WAL	N/A
н	CRITERIA FOR TELEPHONE RINGING SIGNAL	S	N/A
H.1	General	iek intier antie anti-	N/A
H.2	Method A	3 ¹¹ 3 3 4 2 4	N/A
H.3	Method B	THE DITE WITH	N/A



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EN 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 the tell the	_	
H.3.1.2	Voltage (V)	WILL MULL AND MILL	_	
H.3.1.3	Cadence; time (s) and voltage (V):	EK JEK JEK SLIEK	<u> </u>	
H.3.1.4	Single fault current (mA):	s me me m	_	
H.3.2	Tripping device and monitoring voltage	t liet sliet suite on	N/A	
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	the tex tex out	N/A	
H.3.2.2	Tripping device	mer mer me m	N/A	
1.3.2.3	Monitoring voltage (V):	TEX TEX TEX WITE	N/A	
J	INSULATED WINDING WIRES FOR USE WITHO INSULATION	UT INTERLEAVED	N/A	
J.1	General	ic with mur mur a	N/A	
LIEK .II	Winding wire insulation:	the text time of	· —	
<i>to</i>	Solid round winding wire, diameter (mm):	mer me m	N/A	
ALTER WALT	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	THE WALTE	N/A	
J.2/J.3	Tests and Manufacturing	THE THE	LITER-IN	
K	SAFETY INTERLOCKS		N/A	
K.1 (100)	General requirements		N/A	
TEF T	Instructional safeguard:	No safety interlock provided within the equipment.	N/A	
K.2	Components of safety interlock safeguard med	hanism	N/A	
₹.3	Inadvertent change of operating mode	at at let let	N/A	
K.4	Interlock safeguard override	Notice Muse Mar Mar	N/A	
K.5	Fail-safe	of the text the	N/A	
<.5.1	Under single fault condition	Mr. Mr. M. 2	N/A	
K.6	Mechanically operated safety interlocks	the test of the street of	N/A	
K.6.1	Endurance requirement	Mr. Mr. Mr.	N/A	
K.6.2	Test method and compliance	TER LIER OLIER WLIE	N/A	
K.7	Interlock circuit isolation	me m m	N/A	
<.7.1	Separation distance for contact gaps & interlock circuit elements	TEX WAITER WAITER WAITE	N/A	
WALTER	In circuit connected to mains, separation distance for contact gaps (mm)	H WILLER WILLER WILLER W	N/A	
	In circuit isolated from mains, separation distance for contact gaps (mm)	TEX TEX STEX	N/A	



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
NITER I	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):	Mr. My My My	N/A
K.7.3	Endurance test	THE THE LITTER WITE	N/A
K.7.4	Electric strength test	The Alexander	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	7/1 /1	N/A
L.2	Permanently connected equipment	* SLIEB NLIEB MLIE MIL	N/A
L.3	Parts that remain energized	An In It Is	N/A
L.4 🎺	Single-phase equipment	ALTER MILE WALLE WALL	N/A
L.5	Three-phase equipment		N/A
L.6	Switches as disconnect devices	LIFE WALTER WALTE WALTE	N/A
L.7	Plugs as disconnect devices	e to the state	N/A
L.8	Multiple power sources	the write with the the	N/A
Clerk.	Instructional safeguard	at at all of	N/A
М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	Р
M.1	General requirements	at the title	υP
M.2	Safety of batteries and their cells	2 July Au	Р
M.2.1	Batteries and their cells comply with relevant IEC standards	Approved battery pack used	NITE PA
M.3	Protection circuits for batteries provided within the equipment	* STEE WILES WAITER WAY	EK P.T
M.3.1	Requirements	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P
M.3.2	Test method	CHER WILL MALL MALL	AL P
LIEK WAL	Overcharging of a rechargeable battery	(See appended table Annex M)	MITEP
EK MITES	Excessive discharging	(See appended table Annex M)	LIEK P
- CTEFF	Unintentional charging of a non-rechargeable battery	No such battery used	N/A
Zilly V	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	W P
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	Р
M.4.1	General	at at the se	Р



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Clause	Requirement – Test	Result – Remark	Verdict
Jiduse	Troquilononi 165t	Result Remain	Volulot
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.	PROVINCES AND STREET
M.4.2.1	Requirements	t at all all a	N/A
M.4.2.2	Compliance	(See appended table M.4.2)	Р
M.4.3	Fire enclosure	V-1 fire enclosure used	Р
M.4.4	Drop test of equipment containing a secondary lithium battery	and any an an	P
M.4.4.2	Preparation and procedure for the drop test	THE MULT MUT MUT A	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%.	TEK PI
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	¢ P¢
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	unti P
M.4.4.6	Compliance	the left	JE P
M.5	Risk of burn due to short-circuit during carrying		Р
M.5.1	Requirement	No bare conductive terminal used	EX P.S
M.5.2	Test method and compliance	a st st st	N/A
M.6	Safeguards against short-circuits		ALL 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.	
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	Calculated hydrogen generation rate:	10. 20. 20. 1	N/A
M.7.2	Test method and compliance	TEX STEK WITH WALTER	N/A
t lit	Minimum air flow rate, Q (m³/h)	70 x x	N/A
M.7.3	Ventilation tests	it nites with white white	N/A
M.7.3.1	General	The second second	N/A
M.7.3.2	Ventilation test – alternative 1	ALTER MITE WALL WALL	N/A



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01	EN IEC 62368-	2, "II, "2, 2, 2,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Clause	Requirement – Test	Result – Remark	Verdict
- Ch	Hydrogen gas concentration (%)	Mr. Aug. Mr. M.	N/A
M.7.3.3	Ventilation test – alternative 2	wife nutter spring sunis	N/A
. A	Obtained hydrogen generation rate	The state of	N/A
M.7.3.4	Ventilation test – alternative 3	ALTER MITE 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 the	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	1 n - 1
M.8.2.3	Correction factors:	the state of the	56th -5
M.8.2.4	Calculation of distance d (mm):	MILL MILL MILL MI	-20,
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	At The Life Miles	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:		
0.5	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES		N/A
	Value of X (mm):	Mur Mr. Mr. Mr.	- A
P WILL	SAFEGUARDS AGAINST CONDUCTIVE OBJECTS		JALLE P.
P.1	General	See below	Р
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 ²⁴
P.2.3	Safeguards against the consequences of entry of a foreign object	Multer Multer Mills Mult	N/A
P.2.3.1	Safeguard requirements	THE STIFF WITH SUNTY	N/A
y Juliek	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 tr	N/A



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Clause	EN IEC 62368-		Vordiet
Clause	Requirement – Test	Result – Remark	Verdict
P.2.3.2	Consequence of entry test:	West of the second	N/A
P.3	Safeguards against spillage of internal liquids		N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	alter unite wall wall	N/A
P.3.3	Spillage safeguards	a state at	N/A
P.3.4	Compliance	The Walter Many Mary Mary	N/A
P.4	Metallized coatings and adhesives securing parts		N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	at get get get	N/A
in a	Conditioning, T _C (°C)	MULL MULL MULL MILL	20,
LIEK INLI	Duration (weeks)	THE THE THE STEEL	WILLE OF
Q	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A
Q.1	Limited power sources	et jet liet aller aller	N/A
Q.1.1	Requirements	2/12 2/11 2/11	N/A
White a	a) Inherently limited output	TEX SUPER WITE WITE	N/A
ILITER AIL	b) Impedance limited output	Mr. Mr. A.	N/A
	c) Regulating network limited output	LEE MILL WILL	N/A
et e	d) Overcurrent protective device limited output	- 1 t	N/A
. W.	e) IC current limiter complying with G.9	LIER MITE WALL WALL V	N/A
Q.1.2	Test method and compliance:	See below	N/A
AU.	Current rating of overcurrent protective device (A)	MULL MULL MULL MIN	N/A
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A
المالة المالة	Maximum output current (A):	TEX TEX TIEX WITER	N/A
٠ .	Current limiting method	hr m. m. m.	\
R	LIMITED SHORT CIRCUIT TEST	TEX LITER NUTER MILITER W	N/A
R.1	General Control of the Control of th	No such consideration.	N/A
R.2	Test setup	- TER WITE WHILE SHIP	N/A
, et	Overcurrent protective device for test:	74 75 74 75	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
R.3	Test method	WILL WILL WILL MULL	N/A
LET S	Cord/cable used for test	The state of the s	20t-
R.4	Compliance	LIE WALTER WALTER WALTER	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
WE A	Samples, material:	LIET OLIE WILL WILL	NLF.



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- 27	EN IEC 62368-		70. 1
Clause	Requirement – Test	Result – Remark	Verdict
7/1	Wall thickness (mm):	The state of the s	''' '''
MALTER AN	Conditioning (°C)	TEX TEX STEX	anti an
<u>,,</u>	Test flame according to IEC 60695-11-5 with	They are the	N/A
Tile Mil	conditions as set out	LIEN LIEN WHEN	Vries Write A
st si	- Material not consumed completely	14. 14. 14.	N/A
Mer	- Material extinguishes within 30s	TER WITER WITE MU	N/A
- Et	- No burning of layer or wrapping tissue	1 4 4 0	N/A
S.2	Flammability test for fire enclosure and fire bar	rier integrity	N/A
Let.	Samples, material:	L st sit	10th 50th
16. 21	Wall thickness (mm):	MALIE MALIE WALL	mr mr
JEH J	Conditioning (°C)	at let let	TEN STEN
S.3	Flammability test for the bottom of a fire enclose	sure which was	N/A
S.3.1	Mounting of samples	et set set s	N/A
S.3.2	Test method and compliance	Mur. Mr. M.	N/A
	Mounting of samples	LET TEX STE	nlike of the
	Wall thickness (mm):	Mu. An	7. 7. A
S.4	Flammability classification of materials	AL ONLINE	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	It's the will will	N/A
t TEX	Samples, material:	1 1 1 1 1	of the
2112	Wall thickness (mm):	MULLE MULLE MULL	1/1 1/1
JEK.	Conditioning (°C)	A AT THE	OF JET
<u> </u>	MECHANICAL STRENGTH TESTS	WHILE MILL MILL	N/A
T.1	General		N/A
T.2	Steady force test, 10 N:	Very Mer My My	N/A
T.3	Steady force test, 30 N:	Et JEK JEK NI	N/A
T.4	Steady force test, 100 N:	an an an	N/A
T.5	Steady force test, 250 N	L THE STEE MITE	N/A
T.6	Enclosure impact test	7112 711 21	N/A
ura m	Fall test	ALTER MITER MALTE	N/A
d s	Swing test	in the st	N/A
T.7	Drop test:	LIE WALLE WALLE ON	N/A
T.8	Stress relief test:	at at at a	N/A
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	at at at	N/A



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	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

Oladoo	Troquiroment 100t		Toraiot
All I	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 TUBES (CRT) AND PROTECTION AGAINST THE EFFECTS OF IMPLOSION		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		N/A
ر الا	DETERMINATION OF ACCESSIBLE PARTS		N/A
V.1	Accessible parts of equipment		N/A
V.1.1	General	a at alt dit.	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 all s	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	The main man man .	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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Clause	Requirement – Test	Result – Remark	Verdict	
Me	which the state of	the strength with	The Me	
Y.4.2	Gasket tests	14 25	N/A	
Y.4.3	Tensile strength and elongation tests	NITER WITE WILL	N/A	
	Alternative test methods:	20 T	N/A	
Y.4.4	Compression test	WILL WILL MALLE	N/A	
Y.4.5	Oil resistance	1 1 15	N/A	
Y.4.6	Securing means	I'E WILL WILL WAS	N/A	
Y.5	Protection of equipment within an outdoor enclo	osure	N/A	
Y.5.1	General	WILL MILL MILL	N/A	
Y.5.2	Protection from moisture	at at the	N/A	
n a	Relevant tests of IEC 60529 or Y.5.3:	White Aur Music	N/A	
Y.5.3	Water spray test	at let set .	N/A	
Y.5.4	Protection from plants and vermin	to me me m	N/A	
Y.5.5	Protection from excessive dust	et let let li	N/A	
Y.5.5.1	General	Mr. Mr. M.	N/A	
Y.5.5.2	IP5X equipment	TEN LIEN SLIE	N/A	
Y.5.5.3	IP6X equipment	41. 41.	N/A	
Y.6	Mechanical strength of enclosures	LEE MITE	N/A	
Y.6.1	General	7 1	N/A	
Y.6.2	Impact test:	TE LITE MIT WA	N/A	



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J.	The Maria	Mrs. Mrs. Au	EN IEC 62368-1	TEX INTEX WALLEY WA	right Alleria
	Clause	Requirement – Test	the and any	Result – Remark	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)	THE MILL MULL WALL WA	Р
Whitek o	Clause numbers in the cells that are shaded light g IEC 62368-1:2020+A11:2020. All other clause num those in the paragraph below, refers to IEC 62368-Clauses, subclauses, notes, tables, figures and any those in IEC 62368-1:2018 are prefixed "Z".	bers in that column, except for 1:2018.	P P NO
NET JUNE	Add the following annexes: Annex ZA (normative)Normative references to interr corresponding European publications	national publications with their	P
	Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code des	signations for flexible cords	
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following definitions:		N/A
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.	Not such equipment	N/A
3.3.19.3	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. $E = \int_{0}^{\infty} p(t)^{2} dt$	TEX WITE MILES WITE WAS	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
alle	and the second of	alle mile april	me me
3.3.19.4 WILLEY WILLEY WILLEY WILLEY WILLEY	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, E_0 , typically the 1 kHz threshold of hearing in humans. Note 1 to entry: SEL is measured as A-weighted levels in dB. $SEL = 10 \lg \left(\frac{E}{E_0}\right) \text{dB}$	Whitek	N/A
WALE Y	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	White Mail whit.	UNITER WITER
3.3.19.5	digital signal level relative to full scale, dBFS 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 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.	TEX WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	N/A
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:	TE WITE WALL WALTE	N/A
10.6.1.1	Introduction Safeguard requirements for protection against long-term exposure to excessive sound pressure	Not such equipment	N/A

levels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with

- is designed to allow the user to listen to audio or

- uses a listening device, such as headphones or

 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

EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.

Personal music players shall comply with the requirements of either 10.6.2 or 10.6.3.

personal music players are also covered. A personal music player is a portable equipment intended for use by an **ordinary person**, that:

audiovisual content / material; and

around the ears; and

subway, at an airport, etc.).

earphones that can be worn in or on or



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
- the	NOTE 1 Protection against acoustic energy sources from	CONTRACT WALL THE	we w
	telecom applications is referenced to ITU-T P.360.	at the set	TEX TEX
	NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as possible.	untile untile untile	and whitek w
	Listening devices sold separately shall comply with the requirements of 10.6.6. These requirements are valid for music or video mode only. The requirements do not apply to:	es unites unites unit	White whites
	- professional equipment;	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	et et
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.	Miller Multer Miller	iner antiek an
	- hearing aid equipment and other devices for assistive listening; - the following type of analogue personal music	* Whitek whitek white	* WILLY MUTH
	players: • long distance radio receiver (for example, a multiband radio receiver or world band radio receiver, an AM radio receiver), and • cassette player/recorder;	whitek whitek whitek	White White
	NOTE 4 This exemption has been allowed because this 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 extended to other technologies.	it while while whi	EX WATER MAI
	 a player while connected to an external amplifier that does not allow the user to walk around while in use. 	MULTER MULTER WHITER	White white
	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.	MULLER MULLER MULLER AND	iner mitter on
EK MUTTER	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	A MULTER WALTER WALT	ex must ex must
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	WIET WIFE WAITER	N/A
	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is	t let liet will	RITER UNITER OF



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Ville Marile	Mir har all w	EN IEC 62368-1	rie Alleria
Clause	Requirement – Test	Result – Remark	Verdict

Classification of devices without the capacity to	estimate sound dose	N/A
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.	Not such equipment	N/A
For classifying the acoustic output L_{Aeq}, τ , measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	Whitek whitek whitek whi	ek murek
For music where the average sound pressure (long term $L_{Aeq,T}$) 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 WHITEK WHITEK WHITEK	MATER OF
NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term $L_{Aeq,7}$) 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	Whitek wh	The mount
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 ∠Aeq, τ 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.	JUNETER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER	N/A
	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 acoustic output ∠Aeq, 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 ∠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 ∠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. 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 ∠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 unw	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 Laeq, 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 Laeq, 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 song. NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term Laeq, 7) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare is with the programme simulation noise. Therefore, if the player is capable to analyse the content and compare to with the programme simulation noise. Therefore, if the player is set with the programme simulation noise to 86 db, but the average music level of the song is only 65 dB, there is no need to give a varning or ask an acknowledgement as long as the average sound level of the song is only 65 dB, there is no need to give a varning 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 listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the Laeq, 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) ack) that allows connection to a listeni



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

	Troquiroment Tool		
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	White with only	N/A
	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 WHITE WHITE WHITE WHITE WHITE WHITE WHITE WHITE WHITER WHITE WH	EX WILLEY WILL WILLEY W
10.6.2.4		A CANAL TILE	N/A
10.0.2.4	RS3 limits RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	WALTER WALTER WALTER	N/A
10.6.3	Classification of devices (new)	A Mark .	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 while while while	onite write
10.6.3.2	RS1 limits (new)	20, 20, 20,	N/A
	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 ≤ 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.	JUNITER WHITER WHITER WHITER	ice white white have a second and the second and th
10.6.3.3	RS2 limits (new)	RITE SINITE MALIE	N/A
	RS2 is a class 2 acoustic energy source that does not exceed the following: – for equipment provided as a package (player	WITEX WITEX MUTEX M	TITEK MUTEK



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Clause	Requirement – Test	Result – Remark	Verdict
The .	M. M. TER THE	er with any	we will
	with its listening device), and with a proprietary	20 7	X 24
	connector between the player and its listening	THE THE LITER	Will William
	device, or where the combination of player and	They were the in	20
	listening device is known by other means such as	200	it let
	setting or automatic detection, the weekly sound	LEK TEK STER NO	it is
	exposure level, as described in EN 50332-3, shall	The sale was the	20 20
	be ≤ 80 dB when playing the fixed "programme		t et .
	simulation noise" described in EN 50332-1.	THE THE LITE WITH	and and
	 for equipment provided with a standardized connector (for example, a 3,5 phone jack) that 	The My M.	
	allows connection to a listening device for general	1 1 1	76 JE
	use, the unweighted r.m.s. output level, integrated	TER SLIP WITH	wer when
	over one week, as described in EN50332-3, shall	21/2 21/2 21/2	
	be ≤ 15 mV (analogue interface) or -30 dBFS	at the state	All The
	(digital interface) when playing the fixed	LIEN SLIPE WITH WE	in the
	"programme simulation noise" described in EN	14. 24. 25.	
	50332-1.	at at at it	EK JEEK O
10.6.4	Requirements for maximum sound exposure	The Muri Mur Miles	N/A
10.6.4.1	Measurement methods	Not such equipment	N/A
	All volume controls shall be turned to maximum	inti wat wat	20,
	during tests.	1 2	14 13th
	by my my my the st	- LEK TEK TEK	Cliff Mill
	Measurements shall be made in accordance with	with with the to	1. 2.
- t	EN 50332-1 or EN 50332-2 as applicable.		2t 25
10.6.4.2	Protection of persons	THE MAIN MAIN	N/A
	Except as given below, protection requirements for	7 7 7 7	
	parts accessible to ordinary persons,		L VIEW VI
	instructed persons and skilled persons are	it aire and wat	410 411
	given in 4.3.	20, 20	, L .
	NOTE 1 Volume control is not considered a safeguard .	I THE LIER STREET	WILL WILL
	at the text and will will will	mr mr m.	20. 1
	Between RS2 and an ordinary person , the basic	A ST ST	THE LITTER
	safeguard may be replaced by an instructional	WITE WILL WILL W	2/1/2
	safeguard in accordance with Clause F.5, except	12. 25. 2	st st
	that the instructional safeguard shall be placed	at at all o	Er Jile ,
	on the equipment, or on the packaging, or in the	ery out and any	21, 21,
	instruction manual.		*
	Alternatively, the instructional safeguard may be	of the the	mer and
	given through the equipment display during use.	Mer me Me	20 20
	The elements of the instructional safeguard	1 1	LEV LEV
	shall be as follows:	THE LIFE LIVE	inter and
		The The The	
	(19)	1 1	LET LET
	- element 1a: the symbol / P), IEC 60417-	THE STEE STILL STATE	AND S
	6044 (2011-01)	16 24 24 24 24	
	- element 2: "High sound pressure" or equivalent	1 1 1 1	The Time
	wording	LIE SITE WITH SING	an an
	- element 3: "Hearing damage risk" or equivalent	24, 24, 25	
	wording	4 4	15
			200
	 element 4: "Do not listen at high volume levels 	et aller miles anite	MULL MULL
		MULTER WILLER MULTER	Mury Aur



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Clause	Requirement – Test	Result – Remark	Verdict	
all'e	THE THE THE THE THE	LITE WITH MALL	The The	
	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 inform the user of the increased sound level when	antifek whitek whitek wh	untited whited	
	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.	JUNITER WHITE WHITER	White white	
	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 WALTER WALTER WAL	SER WY TEN W	
	time, independent of how often and how long the personal music player has been switched off.	A MUTER MUTER MUTE	whi whi	
MULTER W	A skilled person shall not be unintentionally exposed to RS3.	MITER MALTER MALTER	MALTER MALTE	
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	Not such equipment	N/A N/A N/A N/A N/A N/A N/A N/A	
MITER WAS	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.	TEK MUTEK MUTEK MU	LIFER 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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	EN IEC 62368-1	re all all all	72.
Clause	Requirement – Test	Result – Remark	Verdict
apr.	W The state of	The water about	we we
	acknowledgement. In case the user does not	200	14 14 14 14 14 14 14 14 14 14 14 14 14 1
	acknowledge, the output level shall automatically decrease to compliance with class RS1.	THE STEE STEE	WILL WILL
	decrease to compliance with class No1.	We are a	
	The warning shall at least clearly indicate that	a to the state of	ELY JET
	listening above 100 % CSD leads to the risk of	LIFET NITE INLIVE WAY	10 10
	hearing damage or loss.	20 20 20 20	
0.6.5.3	Exposure-based requirements	It let tet te	N/A
	With only dose-based requirements, cause and	auti were mure	411.
	effect could be far separated in time, defying the	4	20- 20
	purpose of educating users about safe listening	TEX LITER SLIP	with white
	practice. In addition to dose-based requirements,	The The M.	3.
	a PMP shall therefore also put a limit to the short-	the state of	THE THE
	term sound level a user can listen at.	wite wite while wh	in the
	The same to a self-limite of (C1) at all	11. 24.	e to
	The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed	LET TEX JET JE	e untile su
	100 dB(A) or 150 mV integrated over the past 180	in we we	20 20
	s, based on methodology defined in EN 50332-3.		- X
	The EL settling time (time from starting level	ex life wife with	ave ave
	reduction to reaching target output) shall be 10 s	24, 24, 25,	
	or faster.	at at the	THE LITE
	Total Classic aliance and the description of	WILL WILL WALL	211.
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For		at let
	equipment provided as a package (player with its	THE STATE OF	The Court of
	listening device), the level integrated over 180 s	2 20 20	
	shall be 100 dB or lower. For equipment provided	# 1	t litt
	with a standardized connector, the unweighted	ite out with	m m
	level integrated over 180 s shall be no more than	70, 70, 1	
	150 mV for an analogue interface and no more	LEFT THE STEEL	CITE WIT
	than -10 dBFS for a digital interface.	are we we	211.
	NOTE In case the source is known not to be music (or test	1 t st	LEK LEK
an an	signal), the EL may be disabled.	The the wife of	ru, av,
0.6.6	Requirements for listening devices (headphone	s, earphones, etc.)	N/A
0.6.6.1	Corded listening devices with analogue input	Not such equipment	N/A
	With 94 dB LAeq acoustic pressure output of the	20, 25, 3,	4.
	listening device, and with the volume and sound	A BY THE THE	TO THE WAY
	settings in the listening device (for example, built-	Were Mer and	21/2 22
	in volume level control, additional sound features like equalization, etc.) set to the combination of	1 +	- A A
	positions that maximize the measured acoustic	TEX LIFE OLIVE	inlie when
	output, the input voltage of the listening device	The My in	
	when playing the fixed "programme simulation	A A A	TEX JEE
	noise" as described in EN 50332-1 shall be ≥ 75	CITE WILL WALL WA	1/1/2
	mV.	10. 10.	+ 2+
	NOTE The values of 94 dB and 75 mV correspond with 85 dB	Et JEK JEK JI	115 115
-20,	and 27 mV or 100 dB and 150 mV.	y mur mur m	20, 2,
10.6.6.2	Corded listening devices with digital input	t at at out	N/A
			~ (1) ~ (1),
0.0.0.2	With any playing device playing the fixed	are are are	20.
0.0.0.2	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings	Mer Mer M	Et Et



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EN IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
The same	THE STATE OF	ALTE MET WALL	The The		
WALTER W	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.	unlies unlies unlies	antiek whiek		
10.6.6.3	Cordless listening devices	, L	N/A		
WILLER WILLER	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.	EL WHITE WHI	WILLER WILLER		
10.6.6.4	Measurement method	WITE WALL WALL	N/A		
NITEK IN	Measurements shall be made in accordance with EN 50332-2 as applicable.	A THE	LIEK RITEK		
3	Modification to the whole document		Р		



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EN IEC 62368-1					
Clause	Requirement – Test	in the angelian	Result – Remark	Verdict	

		"country" note	s in the refe	rence docume	nt according	to the following	P
	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	The same
	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	SALES V
+ 12-	5.2.2.2	Note	5.4.2.3.2.2 Table 12	Note c	5.4.2.3.2.4	Note 1 and 3	ici ex
3	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	6 J
7/1	Table 13						10/2
NITE	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	MITE
EX.	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	IN STEK IN
- 10	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	XEX ON
MILT	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	MALTE
(Jd	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	JEK
٤	Y.4.5	Note				2	2/2 .
112				10 AV		L	13 16 11
Me	odification	to Clause 1					Р
Add the following note: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2011/65/EU.				Р			
20	11/65/EU.			1 1			100
	lis lis	0.2.1 3.3.8.3 5.2.2.2 5.4.2.3.2.4 Table 13 5.4.10.2.1 5.5.2.1 5.6.8 8.5.4.2.3 40.6.1 Y.4.5 Modification Add the follow	0.2.1 Note 1 and 2	State	Section Sect	Section Sect	0.2.1 Note 1 and 2 1 Note 4 and 5 3.3.8.1 Note 2 3.3.8.3 Note 1 4.1.15 Note 4.7.3 Note 1 and 2 5.2.2.2 Note 5.4.2.3.2.2 Note c 7able 12 5.4.2.3.2.4 Note 1 and 3 5.4.2.3.2.4 Note 2 5.4.2.5 Note 2 5.4.5.1 Note Table 13 5.4.10.2.1 Note 5.6.8 Note 5.5.8 Note 5.6.4.2.1 Note 2 and 3 and 4 5.5.2.1 Note 2 5.7.8 Note 5.6.4.2.1 Note 2 and 3 and 4 5.6.8 Note 2 5.7.8 Note 5.7.7.1 Note 1 and Note 2 8.5.4.2.3 Note 10.2.1 Note 3 and 4 and 6 10.5.3 Note 2 8.5.4.2.3 Note 3 F.3.3.8 Note 3 Y.4.1 Note 2 Modification to Clause 1 Add the following note: Modification to Clause 1



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EN IEC 62368-1				
Clause	Requirement – Test	WILL MULL MAN AND	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	Not directly connected to the	N/A
ANTE WILLER WILL WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER	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 white the property of t	MALIER WALLER WA
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:	No connection to external	N/A
	The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	circuit.	- LIFE
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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taking account of the background level.

Modification to G.7.1

Add the following note:

Modification to Bibliography

G.7.1

10

NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.

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

	EN IEC 62368-	ite into one one	
Clause	Requirement – Test	Result – Remark	Verdict
ani.	THE THE ST	A STATE MALE MALE	are are
10.5.1	Add the following after the first paragraph:	m. n.	N/A
	For RS 1 compliance is checked by measurement under the following conditions:	unties whites whites	Write Will
	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.	LEE WHITEK WHITEK WHITEK	LIFE WAITE WALLE
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	Writek Muriek Murieka	Intifer Matri
	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.	LIEY WHITEK WHITEK WH	TER ON TER W
	Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	Whitek whitek whitek	WALTER WALTER
	For RS1, the dose-rate shall not exceed 1 µSv/h	2 12 2	4



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EN IEC 62368-1				rie Mris Angi
Clause	Requirement – Test	ALTE ME ME ME	Result – Remark	Verdict

ale.	and the test that the other and 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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	1101010110011	O.: 1111 20D 102022001	r age or erer		A 60	V 0
Š	in in		EN IEC 62368-1			
	Clause	Requirement – Test	it with the man	Result – Remark	at s	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	White
	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.	street waters waters waters	WALTEK W
5.4.11.1	Finland and Sweden	No such external circuits.	N/A
and Annex G	To the end of the subclause the following is added:	es unite unite unit u	ne was
	For separation of the telecommunication network from earth the following is applicable:	multer mult mult mi	t TEX
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	united white white white	JUNE .
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	the main main was .	511 EX
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	MITEL WILL MILLER WILL	EK MUTIEK
	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	MULTER MILIER	Whitek o
	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	Whitek whitek whitek wh	ing murit
	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),	UNLIEK WALTER WALTER WALTER	White w
	and white white white white white	at the the there	NI EK NINI
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	WILL MULES WILLES WAS	IEY WALTER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	WILLER MUTTER MUTTER MUTTER	- JALTEK V
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	THE WALTER WALTER	un'il un' LIFX unlif
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	TELY STEEL STEEL SOLE	EX WILLEX



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EN IEC 62368-1						
Clause	Requirement – Test	Result – Remark	Verdict			
The .	M. M. T.	Et all mil whi	me m			
	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	THE STIEL STEEL	NITEK WALTER			
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	whitek multer whitek mus	TEX WITEK W			
EK WALTER	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.	LEX MUTER MUTER MUTE	Auri Est Mini			
5.5.2.1	Norway	A TEX TEX TEXT	N/A			
	After the 3rd paragraph the following is added:	MULL MULL MULL	th tex			
ALEX CAL	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MILLER MULLER MULLER MI	er er			
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A			
	To the end of the subclause the following is added:	ex street market souther	WALLEY WALL			
	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 Whitek Whitek	MITER WALTER			
5.6.1	Denmark	No such equipment.	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:	Whitek whitek whitek	white white			
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	WILLER WHITER WHITER W	WILL MULL			
5.6.4.2.1	Ireland and United Kingdom	at at all a	√ 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	LEE MULTER MULTER MULTER	white white			
50404	mains plug.	1 14 15 15	C Aire			
5.6.4.2.1	France After the indent for pluggable equipment type A, the following is added:	MULTE MILL WILL	N/A			
LEK ILE No.	 in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A. 	With Mill Mary M.	et let			
5.6.5.1	To the second paragraph the following is added:	The Wall Mar Mur	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.	ex miles maries maries	WALTE WALT			



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EN IEC 62368-1					- July
Clause	Requirement – Test	Aller Aller Aller	Result – Remark	at a	Verdict

5.6.8	Norway	24	N/A
	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.	unifer while while while while	WALTER WAL
5.7.6	Denmark	The Maria Maria	N/A
Whitek 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 whitek whitek whitek	MITEL MITEL MITEL
5.7.6.2	Denmark	TEX STEEL WITER WITE W	N/A
ek whitek	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.	and the sourcest sour	ek vinitek
5.7.7.1	Norway and Sweden	Not such system.	N/A
MLTER ON TEX ON TEX ON TEX	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system. It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which	E MILIER	NITER WAS
	may be provided by a retailer, for example.	rie murit must must an	, 'm'
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	MUTER WHITER WHITER WHI	ER WALTE
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing –	WILE MUTER MUTER MUTER	Notes A
	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)"	TEK WALTER WALTER WALTER WALTER	TEX WALT MITES
	NOTE In Norway, due to regulation for CATV-installations, and	The Mr. Mr. Mr.	20. 2



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20,	EN IEC 62368-1	in the man approve	20.
Clause	Requirement – Test	Result – Remark	Verdict
ari .	M. W. C. LET TE	The STEE WAS AND WAS	- m
NUTER M	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.	OLITER WILLER WALLER	X WALTEX
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	street writes whites whitest	MALTEK N
	"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 isoleter mellem apparatet og kabel-TV nettet "	EX UNITEX WHITEX WHITEX WILL	S. E. WALLE
MLTE UNI TEK WALTE WALTEK	isolator mellom apparatet og kabel-TV nettet." 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."	ANTER WHITER WHITER WHITER	united out
8.5.4.2.3	United Kingdom Add the following after the 2 nd dash bullet in 3 rd	No external circuits.	N/A
	paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	TE INTE WHITE WHITE	witek mi
B.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A
B.4 LL	The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met	mains I would be a second of the second of t	WALTER ON STEEL ON ST
G.4.2	Denmark	Not directly connected to the	N/A
	To the end of the subclause the following is added:	mains	UNLIEK
	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.	TEX MULTEX WHITEX WHITEX	IN TEK ON
	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	Whitek whitek whitek wh	k muriek



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100	EN IEC 62368-1		, , , , , , , , , , , , , , , , , , ,
Clause	Requirement – Test	Result – Remark	Verdict
apro	The the the the	the city with only who	11/1
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	THE LIFE SLIEF WITH	MITEX
	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.	TEX WHITEX WHITEX WHITEX	WALTER WAL
	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 whitek	E WALTER
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX MUTER MUTER MUTER	un liek win
	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	ATTER WHITER WHITER WHITE	ir ik wnir
	Justification: Heavy Current Regulations, Section 6c	Why will the writer	MITEK
G.4.2	United Kingdom	Not directly connected to the	N/A
	To the end of the subclause the following is added:	mains	Will My
MULTER ON	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.	Whitek whitek whitek whitek	se white white with
G.7.1	United Kingdom	at the state of	N/A
	To the first paragraph the following is added:	I MULL MULL MULL M	211.
	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	Whitek whitek whitek whitek	er water
	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	ANTER WATER WATER	Tiest malie



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AV	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
W. au		EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

G.7.1	Ireland	20 20	N/A
MULTER VI	To the first paragraph the following is added:	MUTER MUTER MUTER	MITE
	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	STEK WALTER WALTER WALTER WAS	
G.7.2	Ireland and United Kingdom	atter intil anti wall	N/A
	To the first paragraph the following is added:	In the state of	
	A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.	intree white white where	
zc	ANNEX ZC, NATIONAL DEVIATIONS (EN)		N/A
10.5.2	Germany The following requirement applies:	No CRT within the equipment.	N/A
	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.	MULTER WHITER WHITER WHITER	
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive	TE WHITE WHITE WHITE WALLE	
	96/29/EURATOM.	The ship was	
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-	The life will write	



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Clause	Requirement – Test	Mur, M. m.	Result – Remark	Verdict	

Type of flexible cord	Code de	esignations
	IEC	CENELEC
PVC insulated cords		
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 cord	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	*.	<u> </u>
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H
Rubber insulated, crosslinked PVC sheathed cord	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		
Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-
Ordinary halogen-free thermoplastic insulated and sheathed flexible cords		H05Z1Z1-F H05Z1Z1H2-



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The Man and Man	EN IEC 62368-1	me me
Clause Requirement – Test	Result – Remark	Verdict

5.2	TABLE: Classificati	on of electrical er	nergy source	es		. Jt	P
Supply	Location (e.g.	Test conditions		Parame	eters	·	ES Class
Voltage	circuit designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Ciass
et et	TER TER OUT	Normal	<60VDC	n -2n.	SS	DC	ES1
5V DC	Input circuit	Abnormal	Jak s	TER WITE	with w	Vice Aure	
· Whitek	L'EX WALTER WALTER	Single fault – SC/OC	10 To	t TEX.	ITEK-	EX -IEX	
<i>*</i>	Et THE THE	Normal	<60VDC	20,- 20,	SS	DC	ES1
4.2V DC	Battery circuit	Abnormal	et - let	alife <mark>lle in</mark> li	11-11-E	100 TO	
TEK NOTER	Juliet Whiteen	Single fault – SC/OC	ST.	TEK TEK	LIEK	mite l	

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: World	king voltage measu	rement		(N/A
Location	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
- WILL MULL MULL	m m	x z + .	et the	LIER MITER JULIE MALL
- at at let	ITE - NITER MINIT	The The	211 211	- + A
Supplementary information	n:			

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics					
Method: ISO 306 / B50					
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softening (°C)		
-mr. mr. m. m.	The set of	ALTER NUTER NO	Life whire - while "		
Supplementary information:					
NET THE THE TO	at at at	LIET SLIE WILL	when the the		

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics						N/A	
Allowed imp	Allowed impression diameter (mm)						_
Object/Part	t/Part No./Material Manufacturer/trademark Thickness		(mm)	Test temperature (°C)	Impi diame	ression ter (mm)	



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EN IEC 62368-1								
Clause	Requirement – Test	Result – Remark	Verdict					
ales	All the second	the tier with with which will	r 44.					
- et	TEX TEX TEX WITE MINTE WAY	'n' 'n' 'n' '- 't	et - 18th					
Suppleme	ntary information:							
+	ter ter life with mill only	24 24 T	. Jet					

	5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance									N/A
	Clearance (cl) ar distance (cr) at/o		U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
3	- INLIE WALTE	MULL MULL	n.	24.		- J. J.	Kit.	JE*- J	EK TUE	MITE.

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: Minimum	N/A			
Distance th (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)
	TEX TEX ST	MILE WILL WAL	111 - 211		1 1. P 1
Supplemen	tary information:				
*See also s	ub-clause 5.4.4.9	The True		J 15	et set s

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	- Mr.	- 4	# 11	-TEK TE	- NITER OF	ZE MILTE	
Supplementary information:							
will will the sur	24	, ,,,,,,,,		CENT SEPT	JEE RE	TIPLY T	

5.4.9 TABLE:	Electric strength tests	at it it	TEX STEX SITE	N/A
Test voltage applied	between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	TER STEE WITE WILL	211- 211 - 211	t t	LEF LEF
-any any an	The table	- JEK STER MIT	- while while of	Vr. 770 1,
Basic/supplementary	MITE MILTE WAL	20, 20, 20,	1 12 1 1	CEP SEP S
Tr. 24. 24	A A A	TIER NITER WITE	anii ani an	2115 211
Reinforced:	WILL MILL MAR A		at at all	t IEX SIE
70 70	at at the	Ell Williamile M	Try Mrs. Mus.	1/1, - 1/1,
Routine Tests:	WILL MULL ME AND		et let let	LITER OLITER
- 11, 11,	at at att oute	- white white whi	- m m	z ₁ , z ₂ ,
Supplementary inforr	nation:			



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ALC:	70 Th. 1	EN IEC 62368-1	They may
Clause	Requirement – Test	Result – Remark	Verdict

5.5.2.2	TABLE:	ABLE: Stored discharge on capacitors					
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class	
, m, -	20, 1		Normal	TER METER O	Nr. Ant.	m -m	
L WALTER -	Writer M	TE WILLE WHILE	Single fault: SC/ OC	y Jet w	i ex nitex	LIEK -LIEK	

Supplementary information:

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

N/A
sistance (Ω)
`

5.7.4	TABL	E: Unearthed accessible parts					
Location			Supply	F	Parameters		ES class
			Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	
L/N to secondary terminals		Normal	7# A	t the the	THE MALTE	Write.	" " "
		Abnormal: overload	mus - mu	an - an	ITEK SITEK	mliet N	NITEK-
		Single fault: SC/ OC	LIER WALLE	nur -nur .	in in	TEX-	SEK TE

Supplementary information:

SC= short circuit; OC= open circuit

5.7.5	TABLE: Earthed acces	sible conductive part	Di Co	at at	N/A
Supply volta	age (V)	- BY JEH JEH	LIFE OLIFE N	ULL WALL OF	_
Phase(s)		[] Single Phase; [] Three	Phase: [] Delta	[] Wye	
Power Distr	ibution System	[] TN [] TT [] IT	Elt STEE INT	it while whe	
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt
- 20, 0	a state of	ex alter mit unit	mr mr	24, 24,	4.
Supplemen	tary Information:				
21, 20,		· If all all and a	UNLL WILL	me me	10 - 20



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in mi	The The Table	N IEC 62368-1	mer me
Clause	Requirement – Test	Result – Remark	Verdict

5.8 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
- 1n	4.	.∓	et let tet	write writ	in the	r 71/L	14 15.
Supplemen	tary infor	mation:					

TABLE: Power source circuit classifications									
Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class				
Pin + to -	<i>s</i> 5	0.5	2.5	3S	PS1				
Output pin + to -	2.84 3.0		8.5	3S	PS1				
	Operating and fault condition Pin + to -	Operating and fault condition Pin + to - 5	Operating and fault condition Voltage (V) Current (A) Pin + to - 5 0.5	Operating and fault condition Voltage (V) Current (A) Power¹¹ (W) Pin + to - 5 0.5 2.5	Operating and fault condition Voltage (V) Current (A) Max. Power¹¹ (W) Pin + to - 5 0.5 2.5 3S				

Supplementary information.

Abbreviation: SC= short circuit; OC= open circuit

6.2.3.1 TABLE: Determ	ination of Arcing PIS	EF TEF LIE	WITE WILL W	N/A				
Location	Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No				
- ", \	Et To mile	, Lit , ,	24. 24					
Supplementary information:								
Supplementary information.	at at all	alie whi wh	- 111 - 111 -					

6.2.3.2 TABLE: Determination of resistive PIS							
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No				
All primary circuits/components	MULLER MULL -MULL MULL	et et et	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.

8.5.5	TABLE: High pre	TABLE: High pressure lamp							
Lamp manu	facturer	Lamp type	Explosion method	Longest axis of glass particle (mm)		ticle found nd 1 m Yes / No			
- MITER MAI	The MULL MULL	-4/2	The set set	JEK JIEK	J. C. E.	NI-TIE WI			



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Land College	An an an an	EN IEC 62368-1	Li and
Clause	Requirement – Test	Result – Remark	Verdict

Suppl	ementar	y inform	ation:		<u> مگ</u> د م						-9,		
WE	MUL	ale.	100	77	- A-	A.	TEX	JEE	CLIE!	WILL TO	MALE	Alle	-2/1

9.6	TABL	E: Temper	E: Temperature measurements for wireless power transmitters						
Supply voltage (V)					THE WALL	21/2 21	1. 14	2.	_
Max. transmit power of transmitter (W)					at alex	alifek mi	TEK MITE	MALTE.	_
1112 12221121 21112			receiver and ect contact		iver and at e of 2 mm	with receiver and distance of 5 mm			
Foreign o	bjects	Object (°C)	Ambient (°C)	Obje (°C)		Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
11 25	()	L - A	75	76t	mitte and	WE.	11 11	70	20,
Suppleme	ntary info	rmation:			<u> </u>				

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Tem	TABLE: Temperature measurements										
Supply volta	age (V)		:	(1) N	2)	nu.	4, -4,	_				
Ambient ter	nperature durin	g test $T_{ m amb}$ ((°C):	25.0	25.0	- /-/	JEE - NITE	_				
Maximum n	neasured tempe	part/at:		Allowed T _{max} (°C)								
Battery	J. A.	, de	TEK W	34.2	42.9	ing and	2/12	45				
Battery wire	ALTE MALTE.	Wer Mr	. 20.	40.4	45.2	764 -3 64	- 1524	80				
PCB near I		36.8	55.5	10	2/1, - 2,	130						
PCB near U	IT when we	in The		39.5	66.7	it Cat	LITER INIT	130				
Input termin	nal	er Jer	MITE	29.2	35.1	<20 <	2 - 2	Ref.				
External en	closure	n,		30.2	36.0	- J. F	L'ET MILITE	77.00				
Switch	LEK CLEK	- STEEL O	LIET W	29.5	32.0	4) -2	- t	77				
Ambient	are are	25.0	25.0	NITE MELL	100	10 -310 -						
Temperatur winding:	e T of	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class				
,	at at	CE (E)	المنطق ا	anti- an	~ - 2/L	4/1	A					

Supplementary information:

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 25°C.

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

- 1. Test 1) charger mode; test 2) discharger mode
- 2. Battery charging temperature upper limit is 45°C
- 3. 1)= Battery charging mode, 2)= Discharging mode with fully charged battery

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



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in mi	The The Table	N IEC 62368-1	mer me
Clause	Requirement – Test	Result – Remark	Verdict

B.2.5	T	ABLE: Inp	out test					t itel liter nite and P		
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status		
5VDC	,	0.26	0.5	1.3	WINLITER .	oun <u>li</u> e	MULL.	Powered by 5VDC with empty battery (at battery charging mode) (Battery charge current: 0.265A)		
4.2VDC	unti	0.20	WALTER (0.84	NITE W 	EK - (1)	iek – iek –	Discharging mode with fully charged battery (Battery discharge current: 0.2A)		

Supplementary information:

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

B.3, B.4	TABLE: Abnor	mal operating	g and fau	It condit	ion test	s	The write white	Vr. Baur	
Ambient te	emperature T _{amb} (°	°C)			:	See b	elow	_	
Power sou	ırce for EUT: Man	ufacturer, mo	del/type, d	outputrati	ng: -	MILTE	MULL MULL ME	_	
Compone No.	ent Condition	Supply voltage (V)	Test time	Fuse no.	Fus	_	Observatio	n	
Speaker	r SC	4.2	30min			計	Speaker no voice, no damage, hazard.		
Speaker	Max. non- clipped output heating	4.2	30min	MALTEX	External		Normal operation of prototype. External enclosure: 39.5°C Ambient: 25.0°C		
Powered b	y 5VDC with emp	oty battery (at	battery ch	arging m	iode)	J. C. T. E. Y	OLIER MILIE MALI	MULL	
B+ to P-	-re sc mi	5VDC	7h	14 21	* -	T.F.	Unit shut down, no da hazard.	maged, No	
U1	et screen	5VDC	10mins	The Thirt	nu.	- \ L	Unit shut down, no da hazard.	maged, No	
Powered b	y Li-ion Battery (I	Discharging m	ode with 1	fully char	ged batt	ery)	The Me A	1, 2,	
B+ to B-	- SC	4.2VDC	10min	TEK.	SLIEY-	N.L.T.	Unit shut down, no damaged hazard.		
B- to P+	SC W	4.2VDC	7h	The s	TEK -	JEX	Unit shut down, no da hazard.	maged, No	

Supplementary information:

Test table is provided to record abnormal and fault conditions for all applicable energy sources including Thermal burn injury. Column "Abnormal/Fault." Specify if test condition by indicating "Abnormal" then the condition for a C.0lause 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.

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



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

4) Limit temperature: Plastic material: 87°C

M.3	TABLE: Pro	otection circu	its for batter	ies provide	ed witl	hin	the equ	ipment	JAN P.		
Is it possible	to install the	battery in a re	verse polarity	position?	:	W.	See tal	ole B.2.5	_		
				С	hargin	g			'		
Equipment 9	Specification						Current (A)				
		- A	See table B.2.	5	See table B.2.5						
				Battery	specif	ica	tion				
		Non-recharge	able batteries		F	Rec	hargeab	le batteries			
		Discharging									
Manufac	Manufacturer/type current (A		charging current (A)	Voltage ((V) C	Current (A)		current (A)	charging current (A		
Dongguan G Electronic T Co., Ltd. / 60	echnology	WILEY WILE	MULTER ON	See tab B.2.5	le	J. (1)	0.3	See table B.2.5	11 15 16		
Note: The te	sts of M.3.2 a	re applicable o	only when abo	ve appropri	ate dat	ta is	s not ava	ilable.			
Specified ba	ttery tempera	ature (°C)			:		3569	45	Ş		
Component No.	Fault condition	Charge/ discharge mo	Test time	Temp. (°C)	Curre (A)		Voltage (V)	Obs	ervation		
Battery	U1 SC	Charge	7h	ALTEK JAN	0	nui Tek	0,0	immediate Recoverab	Unit shutdown immediately. Recoverable. No damaged, no hazard		

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.

M.4.2	TABLE: battery	Charging sa	Charging safeguards for equipment containing a secondary lithium								
Maximum	n specified	charging voltag	ge (V)		: 4.2	Wer and an	_				
Maximum	n specified (charging curre	nt (A)		: 0.3	TEL JEK NIT	_				
Highest s	specified ch	arging tempera	ature (°C)		: 45	20, 20,					
Lowest s	pecified cha	arging tempera	ture (°C)		: 0 +	X NIEK WIFE					
Battery		Operating		Measuremen	t	Observat	ion				
manufact	urer/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)						
Lowest sp	pecified cha	rging temperat	ture: 0°C		at at	THE THE NO	EFRICIE				
Donggua Electronic Technolo	C COTT	Normal	4.2	0.01	Battery temperature: 0°C	The battery charged decreases	ing current				



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			, E	N IEC 62368-	-1		
Clause	Require	ement – Test	Write auri	711. 2.	Result – Rei	Verdict	
Mr.	211 2	9			The street of	in and a	Vr. Mr.
Ltd. / 6020	30	Abnormal-	The Turk	mr - m	10,	ī ×	et et
		Single fault –	et Tet	NITEK - WALTE	white whi	" write wi	
Highest spe	ecified cha	arging temperati	ure: 45°C	1 14	TEX TEX	NITE MITE	White Wh
Dongguan Electronic Technology	/ Co.,	Normal	4.20	0	Battery temperature: 45°C	The battery charging	arging circuit
Ltd. / 60203	30	Abnormal-	write - were	11, 12		at let	CIEN LIEN
		Single fault	TEK - JEK	antific anti	nu Linu	- Aug 21	10

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

Q.1	TABLE: Circuits inte	ABLE: Circuits intended for interconnection with building wiring (LPS) N/A							
Output	Condition	11 (\(\(\) \(\)	Time (a)	I _{sc}	(A)	S (VA)			
Output Circuit	Condition	U _{oc} (V)	Time (s)	Meas.	Limit	Meas.	Limit		
TEK SITE	The Table of	100	2	4 / +	36	et Jet	STEEL WI		
11. 21.		4 4	LITE LITE		Sur	in.	20, 20,		

Supplementary Information:

SC = short circuit, OC = open circuit

* Unit shutdown immediately, recoverable, no hazard.

T.2, T.3, T.4, T.5	TABLE: S	teady force te	est was	- Cit	THE T		EK OLI	والم	TEK NI	N/A
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)		Ob	servati	on	
Et JEK	NITER INL	er antie w	Vr. 14	. ""	7		,et	ZEK.	JEK	- Little
Supplementa	ary informati	on:								
CIEN N	THE WIFE	Will My	40.	20	- J-	.,t	it i	est.	CLEX.	LIFE

T.6, T.9	ABLE: Impa	ct test	- an	21, 2,	4 4		all the	N/A
Location/Part	Material	Thickness (mm)	Height (mm)		Ob	servation		
rich Albert	in m	70	Alt A	et Jet	CALTER OF	LITE WALT	in and	me
Supplementary	y information:							
mr. m.	7/11	7n	TEX JEX	- LIFEH	NITER WILL	MULLI	White .	Mir

T.7	TABLE: Drop test	N/A
40° 40°		10.



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EN IEC 62368-1										
Clause	Requirement – Test	VII. MIT. M. M. M.	Result – Remark	Verdict						

791. 20.			_4			S 1	L 91	1/2.	
Location/Part	Material	Thickness (mm)	Height (mm)			Observa	ation		
4 14	it i	et jet jir	* NITE	ives and	. The	741.		*	3
Supplementary	/ information:	:							
- A	et et	- TEX LIER	WILL AND	. Mr.	an.	20,			

T.8	TA	BLE: Stress	relief test				N/A
Location/Pa	art	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation	
anc an		14. 14.	, L , M	JEK.	LIER RELIE	antie wati wati	alex a
Supplemen	tary	information:					
r. an	-21	1 24		A 5	Et JET	CHILL WILL WALL	in an

X	TABLE: Alternat	ive metho	d for det	ermining	g mini	mum c	leara	nces	distance	es	N/A
	nce distanced etween:	Peak of w	orking vo	oltage	R	equired (mm)			Me	easure (mm)	· · · · ·
- 4			al Comment	NO. Y	Ve.	" NL	211.	2	, ,		*
Supplement	ary information:							·			
* **		A Back	is an	> >			2	120	ر پ	L	dit d



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Victor Musical	Mrs. Mrs. All Mrs.	EN IEC 62368-1	TEX MITEX WHITE W	71.	711
Clause	Requirement – Test	Mr. M. M.	Result – Remark	et d	Verdict

4.1.2	TABLE: Critical components information				Jr Pr
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Enclosure	CHI MEI CORPORATION	PA-765A(+)	Min.V-1, 80°C, min. thickness: 1.5mm	UL 94	UL E56070
Alternative	Interchangeable	Interchangeabl e	Min.V-1, 80°C, min. thickness: 1.5mm	UL 94	UL
PCB	Shenzhen Ying-seok Circuit Co Ltd	YS-02	V-0, 130°C	UL 94, UL 796	UL E475434
Alternative	Interchangeable	Interchangeabl e	V-0, 130°C	UL 94, UL 796	UL LIER W
Cell	Dongguan Gexin Electronic Technology Co., Ltd.	602030	3.7V, 300mAh	IEC 62133-2: 2017	TSZ2107019 1-P02-R01
Speaker	Interchangeable	Interchangeabl e	4Ω, 3W	EN IEC 62368- 1	Test with appliance

Supplementary information:

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



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Reference No.: WTF23D10232283Y

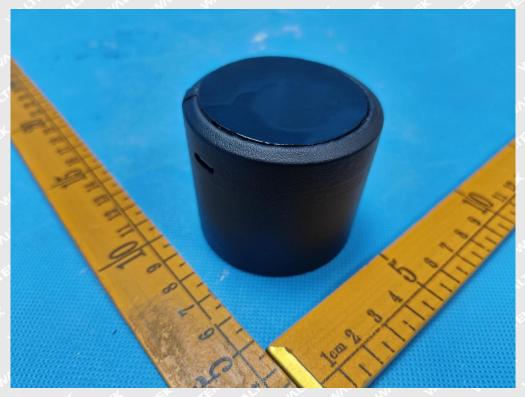


Photo 1

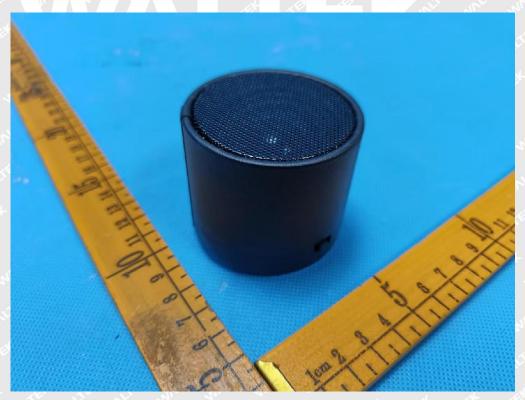


Photo 2

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Photo Documentation

Reference No.: WTF23D10232283Y





Photo 3

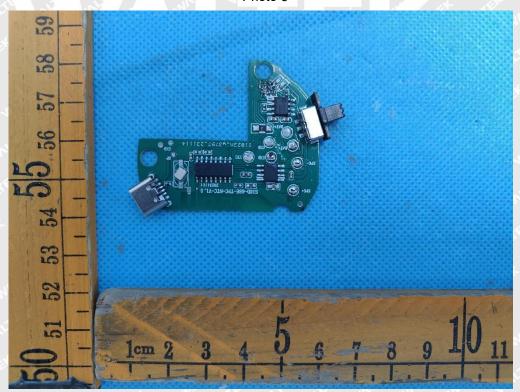


Photo 4



Photo Documentation

Reference No.: WTF23D10232283Y



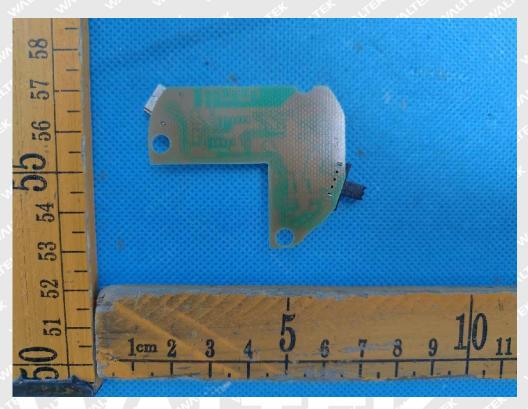


Photo 5

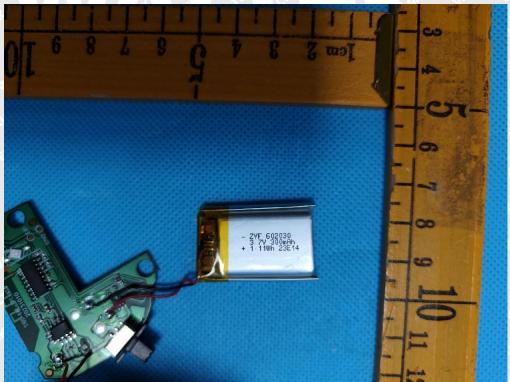


Photo 6





Photo Documentation

Reference No.: WTF23D10232283Y



Photo 7

===== End of Report =====