



TEST REPORT

Reference No		WTF25D04087099Y
Applicant	11/1	Mid Ocean Brands B.V

··· Hong Kong

Manufacturer..... 118966

Address....: : --

Product.....: Wireless charger speaker

Model(s)..... : MO2714

Total pages..... : 68 pages and 4 pages of photo.

Standards.....: EN IEC 62368-1:2020+A11:2020

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample....: 2025-04-09

Date of Test..... : 2025-04-09 to 2025-05-26

Date of Issue..... : 2025-05-28

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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Jason Huany

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Test item description	Wireless char	ger speaker
Trademark	MOB	
Model and/or type reference:	MO2714	
Rating(s):	Wireless Outplingut: DC9V / Output: DC9V	
Remark:	et let	WITE WITE WALL WAS AND THE WITE
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 lab	information:	
Test items: Lab information:		
	-11-12-11-11-11-11-11-11-11-11-11-11-11-	The second secon
Summary of testing:		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tests performed (name of test and to - EN IEC 62368-1:2020+A11:2020 All a	" N. 10.	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town,
The submitted samples were found to d		Dongguan City, Guangdong, China
the requirements of above specification		in the second to the set set
Summary of compliance with Nation	al Differences	(List of countries addressed):
THE THE LITTLE NUTTER WITH		
EU Group Differences		
The product fulfils the requirements 1:2020+A11:2020.	of EN IEC 623	368-1:2020+A11:2020 and BS EN IEC 62368-
Use of uncertainty of measurement t	for docisions	on conformity (decision rule) :
No decision rule is specified by the applicable limit according to the specified.	ne IEC standar	rd, when comparing the measurement result with the at standard. The decisions on conformity are made apple acceptance" decision rule, previously known as
☐ Other: (to be specified, for examp requirements apply)	le when requir	ed by the standard or client, or if national accreditation
Information on uncertainty of measu	rement:	
		the laboratory based on application of criteria given by ethods, decision sheets and operational procedures of
IEC Guide 115 provides guidance on the decision rule when reporting tes	t results withi	n of measurement uncertainty principles and applying in IECEE scheme, noting that the reporting of the necessary unless required by the test standard or
Calculations leading to the reported value the testing.	alues are on fil	e with the NCB and testing laboratory that conducted



Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.





Frequency range:
2402-2480MHz
Maximum RF power:
13dBm(EIRP)
Frequency range:
110-205kHz
Wireless Output power:
15W Max
Input:DC9V/3.0A
Output:DC9V/1.67A

Remark:

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







TEST ITEM PARTICULARS:	A A LEK TEK TEK STEEL STEEL
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:	□ 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 □ _5000_m
Altitude of test laboratory (m):	⊠ 2000 m or less □ m
Mass of equipment (kg)	⊠ 0.322kg



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POSSIBLE TEST CASE VERDICTS:	a see the same of the see
- test case does not apply to the test object	: N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
TESTING:	The the total
Date of receipt of test item	See the cover
Date (s) of performance of tests	See the cover
GENERAL REMARKS:	LIER SLIEB MILE MALL WALL WALL WALL
"(see appended table)" refers to a table appended to Throughout this report a ☐ comma / ☒ point is u GENERAL PRODUCT INFORMATION:	
Product Description 1. The equipment with model MO2714 is Wireless cha 2. It is powered by USB-C port conformed to LPS or p 3. The maximum operating temperature is 25°C. 4. The unit can be work at 5V and 9VDC.	
Model Differences N/A	A A LEX LEX LEX STEX WILEY
Additional application considerations – (Conside N/A	rations used to test a component or sub-assembly)



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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 circuits	Ordinary	N/A	N/A	N/A	
6	Electrically-caused fire				
Class and Energy Source	Material part		Safeguards		
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S	
PS2: 15-100 Watt circuits (Input current)	Enclosure, PCB	Equipment safeguard (clause 6.3.1 complied)	Equipment safeguard (clause 6.3.1 complied)	N/A	
PS1: <15 Watt circuits (Battery)	The other components/materials	N/A	N/A	N/A	
7	Injury caused by hazardous	substances			
Class and Energy Source	Body Part		Safeguards	Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R	
Battery (See Annex M)	Ordinary	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 (e.g. RS1: PMP sound output)	Body Part Safeguards		_		
	(e.g., Ordinary)	В	S	R	
RS1: LED	Ordinary	N/A	N/A	N/A	



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	ENERGY SOURCE DIAGRAM			
Indicate which e	Indicate which energy sources are included in the energy source diagram. Insert diagram below			
1 14	A SE LEE THE LIFE WITH WALL WALL WITH WITH THE SELECTION OF THE SELECTION			
WILL WALL	□ ES □ PS □ MS □ TS □ RS			
7	See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS			



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17	20,	, L	EN IEC 62368-	in the sure	24. 24. 4.
Clau	se	Requirement – Test	With My Mis Co.	Result – Remark	Verdict

4	GENERAL REQUIREMENTS	/	P
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	W P
4.1.2 Military	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	TEK
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	AND 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	"MILL MUE, MILL MILL	Р
4.4.3	Safeguard robustness	LET THE STEET	N/A
4.4.3.1	General	2 24 24	N/A
4.4.3.2	Steady force tests	THE THE STATE OF	N/A
4.4.3.3	Drop tests	W. Mr. M. M.	N/A
4.4.3.4	Impact tests	THE LIER SLIER WITHER WILL	N/A
4.4.3.5	Internal accessible safeguard tests	, Mr. M. A	N/A
4.4.3.6	Glass impact tests	t lift alife white white	N/A
4.4.3.7	Glass fixation tests	in in it	N/A
ris antr	Glass impact test (1J)	LIER MITER MALTE MALTE	N/A
et et	Push/pull test (10 N)	and the state of	N/A
4.4.3.8	Thermoplastic material tests	JEE WILL WALL AND AND	N/A
4.4.3.9	Air comprising a safeguard	a start of	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	it will will will will	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	CITER WITE WILL A	Pill
4.5.1	General	a state	PS
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	Р



N/A

N/A

Ρ

N/A

N/A

N/A

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30N force test with test probe

20N force test with test hook

Component requirements

Disconnect Device

Switches and relays

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Clause	Requirement – Test	Result – Remark	Verdict	
July .	The state of	ite with with while will	in 192	
	No harm by explosion during single fault conditions	(See Clause B.4)	P	
4.6	Fixing of conductors	Mr. Mr. M. M.	N/A	
Liter Mil	Fix conductors not to defeat a safeguard	THE THE STEE STEE STEE	N/A	
A 10	Compliance is checked by test	the April of the April	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)	the still white 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	TEX TEX STEE WITE	N/A	
4.8.3	Battery compartment door/cover construction	- 111 12 12 12 12 12 12 12 12 12 12 12 12	N/A	
WILL	Open torque test	EX STER NITER MITE W	N/A	
4.8.4.2	Stress relief test	701	N/A	
4.8.4.3	Battery replacement test	CLIEF WILL MULL WAL	N/A	
4.8.4.4	Drop test		N/A	
4.8.4.5	Impact test	MALIE WALL	N/A	
4.8.4.6	Crush test	+ 11t	N/A	
4.8.5	Compliance	I'M WILL WALL WALL !	N/A	

5	ELECTRICALLY-CAUSED INJURY		Р
5.2	Classification and limits of electrical energy	sources	P
5.2.2	ES1, ES2 and ES3 limits	All internal circuits are considered to be ES1	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	W P
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A
5.2.2.7	Audio signals	a of the set of	N/A

Likelihood of fire or shock due to entry of conductive object

4.9

4.10

4.10.1

4.10.2



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Clause	Requirement – Test	Result – Remark	Verdict
Whi.	the said of the said	ET STEE STEE WITH AN	in and
5.3	Protection against electrical energy sources	20, 20, 1	P
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	WHITE WHITE WHILL WHI	W.A
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	TER LIER NUTER WITE	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	or our our state	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit	P
11/2 1	Accessibility to outdoor equipment bare parts	MULLE MULL MULL AND	N/A
5.3.2.2	Contact requirements	at at let se	N/A
11. 14	Test with test probe from Annex V	Phris Mrs. Mrs. Mrs.	_
5.3.2.2 a)	Air gap – electric strength test potential (V)	at let let little	N/A
5.3.2.2 b)	Air gap – distance (mm)	Tr. Mur. My M.	N/A
5.3.2.3	Compliance	EX TEX STEX STEX O	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	- TEK STEK SLIFE SKI	Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	LEE ONLIFE MILE	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)	LITE P
5.4.1.5	Pollution degrees	and the sail	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	MULTER WHITER WHITER WA	N/A
5.4.1.5.3	Thermal cycling test	at all the co	N/A
5.4.1.6	Insulation in transformers with varying dimensions	White Must My Miles	N/A
5.4.1.7	Insulation in circuits generating starting pulses	let let let liet	N/A
5.4.1.8	Determination of working voltage	ur, mr, m, m,	N/A
5.4.1.9	Insulating surfaces	Et TEX TEX STEX	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	and the text of	N/A
5.4.1.10.2	Vicat test	MULL ME ME ME	N/A
5.4.1.10.3	Ball pressure test	ich ich itelt itel	N/A
5.4.2	Clearances	ner mer mer m	N/A
5.4.2.1	General requirements	THE THE STEEL STEEL	N/A
y lifet	Clearances in circuits connected to AC Mains, Alternative method	t of let the	N/A
5.4.2.2	Procedure 1 for determining clearance	with our way and	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
5.4.2.3	Procedure 2 for determining clearance	Mer Aug Mr.	N/A
5.4.2.3.2.2	a.c. mains transient voltage	THE LIES NUMBER	10/12 -
5.4.2.3.2.3	d.c. mains transient voltage	The Apr In	* -
5.4.2.3.2.4	External circuit transient voltage	alies alies and the	NITE _
5.4.2.3.2.5	Transient voltage determined by measurement	10 11 10 1	et _
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	THE WILL WA	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	White white white	N/A
5.4.2.6	Clearance measurement	TER LIER NUTER	N/A
5.4.3	Creepage distances	m. m. m.	N/A
5.4.3.1	General	LIEF WILE WILES	N/A
5.4.3.3	Material group	711, 71, 71	* -
5.4.3.4	Creepage distances measurement	EK NITET UNITE WHI	N/A
5.4.4	Solid insulation	** * * * * * * * * * * * * * * * * * *	N/A
5.4.4.1	General requirements	WITE WALL WALL	N/A
5.4.4.2	Minimum distance through insulation	The state of the	N/A
5.4.4.3	Insulating compound forming solid insulation	and the same of	N/A
5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Insulating compound forming cemented joints	in mer mer m	N/A
5.4.4.6	Thin sheet material	of the state of	N/A
5.4.4.6.1	General requirements	Mur Mr. M.	N/A
5.4.4.6.2	Separable thin sheet material	THE LIES LIES	N/A
· ·	Number of layers (pcs)	me me m	N/A
5.4.4.6.3	Non-separable thin sheet material	TEX STEX MITER OF	N/A
st	Number of layers (pcs)	6. 24. 25. 2	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	LEK WHITEK WHITEK WHI	N/A
5.4.4.6.5	Mandrel test	to get light life	N/A
5.4.4.7	Solid insulation in wound components	Mer Me M	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	Whitek whitek whitek	N/A
TER MUTLE	Alternative by electric strength test, tested voltage (V), K _R	LIET WILEY WHILEY W	N/A
5.4.5	Antenna terminal insulation	s state	/ N/A
5.4.5.1	General	WALL WALL WALL	N/A
5.4.5.2	Voltage surge test	L A B	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.4.5.3	Insulation resistance (M Ω)	They may may	N/A
10 m	Electric strength test	TEL ITEL STIFF	N/A
5.4.6	Insulation of internal wire as part of	mer any any	N/A
5.4.7	supplementary safeguard Tests for semiconductor components and for	Will Mill Mill	N/A
it. Wille	cemented joints	LIX TEX TEXT	The The The
5.4.8	Humidity conditioning	The man	N/A
White W	Relative humidity (%), temperature (°C), duration (h)	t and the white and the	unii —
5.4.9	Electric strength test	at at at	N/A
5.4.9.1	Test procedure for type test of solid insulation	White Aut Aut.	N/A
5.4.9.2	Test procedure for routine test	at let let	N/A
5.4.10	Safeguards against transient voltages from external circuits	is my my m	N/A
5.4.10.1	Parts and circuits separated from external circuits	e write mail and	N/A
5.4.10.2	Test methods	A ST ST	N/A
5.4.10.2.1	General	Write Muri Muri	N/A
5.4.10.2.2	Impulse test	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.4.10.2.3	Steady-state test	- 1 July 1	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	I'E WILL WILL WI	N/A
5.4.11	Separation between external circuits and earth	i state	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	MILL MILL MILL	N/A
5.4.11.2	Requirements	aliet mile ancie	N/A
LIFEY	SPDs bridge separation between external circuit and earth	TEX TEX STEX	N/A
a d	Rated operating voltage U _{op} (V)	1. 10 . 20 . 2)	_
WILL	Nominal voltage U _{peak} (V)	EK SLIEK NLIEK UNI	- ni
, et	Max increase due to variation U _{sp}	211. 21. 7	_
anit. al	Max increase due to ageing U _{sa}	THE METER WALTE	WILL -
5.4.11.3	Test method and compliance		N/A
5.4.12	Insulating liquid	UNITE WALL WALL	N/A
5.4.12.1	General requirements	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.4.12.2	Electric strength of an insulating liquid	TIE MUTE MUTE M	N/A
5.4.12.3	Compatibility of an insulating liquid	A A A A	N/A
5.4.12.4	Container for insulating liquid	MULT MILL MILL	N/A
5.5	Components as safeguards	at at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	Verdict
5.5.1	General Control of the control of th	No such components as safeguards.	N/A
5.5.2	Capacitors and RC units	Mr. Mr. M. M.	N/A
5.5.2.1	General requirement	TER TER NITER INT	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	int out the state state	N/A
5.5.3	Transformers	y mr. mr. m.	N/A
5.5.4	Optocouplers	t let like like	N/A
5.5.5	Relays	me me me a	N/A
5.5.6	Resistors	TER LIER SLIFE IN	N/A
5.5.7	SPDs	me me m	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	Lifet while while while	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	LEX MILITER WALTER	N/A
TEX	RCD rated residual operating current (mA)	at let let	<u> </u>
5.6	Protective conductor	White Mur. Mur. M	N/A
5.6.2	Requirement for protective conductors	it it it	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	THE THE LITTE STEEL	N/A
5.6.3	Requirement for protective earthing conductors	and the sail	N/A
MITE	Protective earthing conductor size (mm²)	EX TEX LIEX SLIFE	<u>~</u>
STEK 1	Protective earthing conductor serving as a reinforced safeguard	The American	N/A
184 7	Protective earthing conductor serving as a double safeguard	must me my m	N/A
5.6.4	Requirements for protective bonding conductors	WILL MULL MULL MULL	N/A
5.6.4.1	Protective bonding conductors	at at let tet	N/A
n,	Protective bonding conductor size (mm²)	Whi Aut. Aut.	7/11 -
5.6.4.2	Protective current rating (A)	the set set	N/A
5.6.5	Terminals for protective conductors	Mr. Mr. Mr. M	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	united united united was	N/A
TEK WALTE	Terminal size for connecting protective bonding conductors (mm)	TER WIFE WIFER WAITE	N/A
5.6.5.2	Corrosion	The state of	N/A
5.6.6	Resistance of the protective bonding system	EX WILL MULL MULL	N/A
5.6.6.1	Requirements	A A B	N/A
5.6.6.2	Test Method	NITE MITE WILL WI	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Mis	THE THE STATE OF	ter cite with whit w	is and
5.6.6.3	Resistance (Ω) or voltage drop	10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.6.7	Reliable connection of a protective earthing conductor	WALTER WALTE WALTE WAL	N/A
5.6.8	Functional earthing	The lift which wife	N/A
at al	Conductor size (mm²)	the till the till	N/A
in white	Class II with functional earthing marking	THE SLIFE WITH WHITE S	N/A
- 10 ^t	Appliance inlet cl &cr (mm)	On the	N/A
5.7	Prospective touch voltage, touch current and p	protective conductor current	N/A
5.7.2	Measuring devices and networks	The state of the	N/A
5.7.2.1	Measurement of touch current	WILL MALL MALL MALL	N/A
5.7.2.2	Measurement of voltage	a the set set	N/A
5.7.3	Equipment set-up, supply connections and earth connections	NITE WALL WALL WALL WALL	N/A
5.7.4	Unearthed accessible parts	EX SLIET WITE WITE W	N/A
5.7.5	Earthed accessible conductive parts	The state of	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	White White White Wh	N/A
NETE WAS	Protective conductor current (mA)	ALL STILL MITE	N/A
st si	Instructional Safeguard	7 7 7	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	LIE WALLE MALL WALLE	N/A
5.7.7.1	Touch current from coaxial cables	of the the state of	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	of the text	N/A
5.7.8	Summation of touch currents from external circuits	while we will the	N/A
74 - 24	a) Equipment connected to earthed external circuits, current (mA)	ALTE WALTE WALL WALL	N/A
MULL	b) Equipment connected to unearthed external circuits, current (mA)	LEE WALTER WALTER WALTER	N/A
5.8	Backfeed safeguard in battery backed up supplies		N/A
3	Mains terminal ES	No battery used	N/A
. LTE . 10'	Air gap (mm)	LEF LEF LIEF LIFE	N/A

6	ELECTRICALLY- CAUSED FIRE		RITE PINITE
6.2	Classification of PS and PIS		Р
6.2.2	Power source circuit classifications	All circuits are considered to be PS2 circuits.	Р
6.2.3	Classification of potential ignition sources	at at the the	N/A



N/A

N/A

N/A N/A

EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
Mrs	M. M. J.	TER WITE WALL MALL WA	100	
6.2.3.1	Arcing PIS	All internal circuits are not considered as arcing PIS. They are supplied by external	N/A	
HIEK WAT	THE WALTER WHITE WHITE WALL WALL WITH	power supply whose open voltage is less than 50V.	WALTER.	
6.2.3.2	Resistive PIS	in an artist	P	
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	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	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	P.	
mer in	Combustible materials outside fire enclosure	WILL MULL MULL MULL	n P	
6.4	Safeguards against fire under single fault condi	tions	Р	
6.4.1	Safeguard method	Method by control of fire spread applied	Р	
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	LEK WHITE WHITE WHITE WI	N/A	
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	Whitek whitek whitek whit	N/A	
6.4.3.1	Supplementary safeguards	IEL TEN TEN	N/A	
6.4.3.2	Single Fault Conditions	1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1	N/A	
SER WITE	Special conditions for temperature limited by fuse	THE THE LITTER STATES	N/A	
6.4.4	Control of fire spread in PS1 circuits	in my my m	N/A	
6.4.5	Control of fire spread in PS2 circuits	et ifet lifet nifet in	Р	
6.4.5.2	Supplementary safeguards	The An An An	Р	
6.4.6	Control of fire spread in PS3 circuits	TEX SLIES WITH WITH	N/A	
6.4.7	Separation of combustible materials from a PIS	m m t	N/A	
6.4.7.2	Separation by distance	LIER NITER MITER MAIL	N/A	
6.4.7.3	Separation by a fire barrier	h. m. m. m.	N/A	
6.4.8	Fire enclosures and fire barriers	TEX MITE WALTE WALTE WALTE	N/A	
6.4.8.2	Fire enclosure and fire barrier material properties	3 x x x x	N/A	
6.4.8.2.1	Requirements for a fire barrier	WITE WITE WALL VINE	N/A	
6.4.8.2.2	Requirements for a fire enclosure	the state of	N/A	
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	MILIE WALL WALL WALL WALL	N/A	
6.4.8.3.1	Fire enclosure and fire barrier openings	TER STEE WIFE WALL S	N/A	

Fire barrier dimensions

Top openings and properties

Bottom openings and properties

Openings dimensions (mm).....

6.4.8.3.2

6.4.8.3.3

6.4.8.3.4



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20.	EN IEC 62368-	to are are	20, 0
Clause	Requirement – Test	Result – Remark	Verdict
ah.	W. W. J.	the wife while when w	in an
J. P.	Openings dimensions (mm)	" t st st	N/A
mr. m	Flammability tests for the bottom of a fire enclosure	MULTER WALTE MALL WAL	N/A
The Will	Instructional Safeguard	TEX LIEX SLIEN WIFE	N/A
6.4.8.3.5	Side openings and properties	the the the the	N/A
in with	Openings dimensions (mm)	TER SLIER WILLER WILLS	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	t tet stet stet steet o	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	THE THE THE THE	N/A
6.4.9	Flammability of insulating liquid	MULL MULL AND AND	N/A
6.5	Internal and external wiring	at at at all	P
6.5.1	General requirements	in all all all	Р
6.5.2	Requirements for interconnection to building wiring	EX MITEL MILIER MILIER V	N/A
6.5.3	Internal wiring size (mm2) for socket-outlets	and the second	N/A
6.6	Safeguards against fire due to the connection to ac	dditional equipment	Р
dt.		The state of the s	t jet
7	INJURY CAUSED BY HAZARDOUS SUBSTANCES		D P
7.2	Reduction of exposure to hazardous substances		N/A
7.3	Ozone exposure	life, White Music Music	N/A
7.4	Use of personal safeguards or personal protect	tive equipment (PPE)	N/A
	Personal safeguards and instructions	MULL MULL MULL MI	_
7.5	Use of instructional safeguards and instructions		N/A
in in	Instructional safeguard (ISO 7010)	Mure Mar Mar Mar	_
7.6	Batteries and their protection circuits	NIET WITE WITER WAITER	P
8	MECHANICALLY-CAUSED INJURY	0 0	JE P
8.2	Mechanical energy source classifications	is the the the	Р
8.3	Safeguards against mechanical energy sources	of the the street of	Р
8.4	Safeguards against parts with sharp edges and	corners	P
8.4.1	Safeguards	TEX TEX STEE STIFE	P
TEN TE	Instructional Safeguard:	MS1: Edges and corners of enclosure	P
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	P
8.5	Safeguards against moving parts	TER WITE WALL WALL ON	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Chr. 1	MS2 or MS2 part required to be accessible for the	See above.	N/A
	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	IN/A
40, — 4.	Moving MS3 parts only accessible to skilled person	They have the ton	N/A
8.5.2	Instructional safeguard	TEX LIER NUTER WITE	N/A
8.5.4	Special categories of equipment containing moving parts	of the text text	N/A
8.5.4.1	General	in my my	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	t tet tet stet stet mi	N/A
8.5.4.2.1	Protection of persons in the work cell	Mr. M. M.	N/A
8.5.4.2.2	Access protection override	TEX STEX NITER INTE	N/A
8.5.4.2.2.1	Override system	m m m	N/A
8.5.4.2.2.2	Visual indicator	LIER OLITER WITE WALLE	N/A
8.5.4.2.3	Emergency stop system	and the set	N/A
nu.	Maximum stopping distance from the point of activation (m)	EL MULLE MULLE MULLE M	N/A
Murit M	Space between end point and nearest fixed mechanical part (mm)	White White White Whi	N/A
8.5.4.2.4	Endurance requirements	the little wife	N/A
SEK STEK	Mechanical system subjected to 100 000 cycles of operation	To the let	N/A
40,	- Mechanical function check and visual inspection	The Maria and a	N/A
CLIER.	- Cable assembly	t the the title of	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	me and an one	N/A
8.5.4.3.1	Equipment safeguards	WHITE WHITE WALL WALL WALL	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	at at the take	N/A
8.5.4.3.3	Disconnection from the supply	HIL MIL MIL MILL	N/A
8.5.4.3.4	Cut type and test force (N):	CH THE THE STEEL	N/A
8.5.4.3.5	Compliance	They are an a	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
, t	Explosion test	The Thy An In	N/A
8.5.5.3	Glass particles dimensions (mm):	alier outer writer white	N/A
8.6	Stability of equipment	July 1 1 th at	N/A
8.6.1	General	MS1: Mass of the unit	N/A
t set	Instructional safeguard:	1 1 1 1	N/A
8.6.2	Static stability	MULL MULL MULL M	N/A
8.6.2.2	Static stability test		N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Nequirement – Test	Kesuit – Kemark	Verdict
8.6.2.3	Downward force test	We with the	N/A
8.6.3	Relocation stability	CLIEB WHILE WHILE WA	N/A
det d	Wheels diameter (mm):	a de la la	t Set
10	Tilt test	WILL MULL MULL MULL	N/A
8.6.4	Glass slide test	at at alt all	N/A
8.6.5	Horizontal force test:	in with Aut Au	N/A
8.7	Equipment mounted to wall, ceiling or other stru	icture	N/A
8.7.1	Mount means type	No wall or ceiling	N/A
8.7.2	Test methods	TER STER WITH MIT	N/A
	Test 1, additional downwards force (N):	m m m	N/A
TILE MULT	Test 2, number of attachment points and test force (N)	LIER WHITER WHITER WHITE	N/A
WALTER	Test 3 Nominal diameter (mm) and applied torque (Nm)	EX MITEX MITEX MITEX	N/A
8.8	Handles strength	at at at	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	THE THE	N/A
1. 20	Number of handles:	and the man	10 -
TEK WITE	Force applied (N)	The little	NITER OF
8.9	Wheels or casters attachment requirements	is my my m	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	Mr. Mr. M.	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	LEK TEK LIEK SITEN	N/A
8.10.3	Cart, stand or carrier loading test	be me me m	N/A
er wite	Loading force applied (N):	Et TEK TEK NITER	N/A
8.10.4	Cart, stand or carrier impact test	. m. m. m.	N/A
8.10.5	Mechanical stability	tiek cliek mier w	N/A
	Force applied (N)	Mr. Mr.	* 200
8.10.6	Thermoplastic temperature stability	WITER WITER WALL MALL	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	s at at at	N/A
In.	Instructional Safeguard	WUTTE MUTT MUTTER	N/A
8.11.3	Mechanical strength test	a at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
8.11.3.1	Downward force test, force (N) applied:	E WITE WITE WE WE	N/A
8.11.3.2	Lateral push force test	LIER NITER MALLE MALL	N/A
8.11.3.3	Integrity of slide rail end stops	The street street	N/A
8.11.4	Compliance	CLIEF WITE WITE WILL	N/A
8.12	Telescoping or rod antennas	a start	N/A
Alle.	Button/ball diameter (mm)	No such parts	_
- 26th	THE THE SITE WILL WALL AND THE		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
9	THERMAL BURN INJURY		νP
9.2	Thermal energy source classifications	T	P

9	THERMAL BURN INJURY		√P
9.2	Thermal energy source classifications		P
9.3	Touch temperature limits		AL B A
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	INCTE P NOT
9.3.2	Test method and compliance	See B.1.6 & B.2.3	→ P
9.4	Safeguards against thermal energy sources		Р
9.5	Requirements for safeguards		+ Pot
9.5.1	Equipment safeguard	TS1	WP -
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitt	ters	Р
9.6.1	General	HE THE LITE WITH SHITE W	NIT BIND
9.6.2	Specification of the foreign objects	711 711	of Part
9.6.3	Test method and compliance	: (See appended table 9.6)	Р

10	RADIATION	the lifet alies which aprile	W.P
10.2	Radiation energy source classification		Р
10.2.1	General classification	See below	In Pull
et el	Lasers		18t - 5
MUSTER	Lamps and lamp systems	RS1: LED use which is considered as low power application. See 62471 report WTF25F04087154N.	ek whilek
TEL	Image projectors	the state of	
11. 11.	X-Ray	MILL MILL WALL WALL	1112 - 1
IEK NI	Personal music player	the set set set	CLIER OF
10.3	Safeguards against laser radiation	note and any and	N/A
MULTER	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lam (including LED types)	ps and lamp systems	NI PER



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-20,	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group). See 62471 report WTF25F04087154N.	+ PEX		
iri mur	Instructional safeguard provided for accessible radiation level needs to exceed	ALTER WALTER WALLER WALLER	N/A		
ET WITE	Risk group marking and location:	tet itet sitet miter s	N/A		
	Information for safe operation and installation	111 111 211	N/A		
10.4.2	Requirements for enclosures	t liet writer writer whi	N/A		
A	UV radiation exposure:	411. 411. 41.	N/A		
10.4.3	Instructional safeguard	STEE WITE SUITE WALL	N/A		
10.5	Safeguards against X-radiation	The state of the s	N/A		
10.5.1	Requirements	No X-radiation	N/A		
the Text	Instructional safeguard for skilled persons	1 t et et	_		
10.5.3	Maximum radiation (pA/kg)	ET INITE WILL WILL AN	_		
10.6	Safeguards against acoustic energy sources	at at all s	N/A		
10.6.1	General	No such equipment	N/A		
10.6.2	Classification	at the state	N/A		
, 3,	Acoustic output L _{Aeq,T} , dB(A):	2 July In	N/A		
LEK WILLE	Unweighted RMS output voltage (mV):	The The Title	N/A		
, ,,,,	Digital output signal (dBFS)	The Maria Maria	N/A		
10.6.3	Requirements for dose-based systems	t the tiet aller a	N/A		
10.6.3.1	General requirements	The In In In	N/A		
10.6.3.2	Dose-based warning and automatic decrease	TER STEE WITE MILE	N/A		
10.6.3.3	Exposure-based warning and requirements	Mr. Mr. Mr.	N/A		
The Aller	30 s integrated exposure level (MEL30)	LIER CLIER WILL WILL	N/A		
et et	Warning for MEL ≥ 100 dB(A)	The state of	N/A		
10.6.4	Measurement methods	IER WILL MALL MALL M	N/A		
10.6.5	Protection of persons	and the state of	N/A		
21/2 2	Instructional safeguards	INCIE WILL AND AND	N/A		
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	THE NIET MITES WHITES	N/A		
10.6.6.1	Corded listening devices with analogue input	on the set	N/A		
MULL	Listening device input voltage (mV)	LIER MITE NATIONALLY	N/A		
10.6.6.2	Corded listening devices with digital input	1 the state of	N/A		
an.	Max. acoustic output L _{Aeq,T} , dB(A):	er write write with wh	N/A		
10.6.6.3	Cordless listening devices	at at all a	N/A		
21/2 21	Max. acoustic output L _{Aeq,T} , dB(A)	all will will with	N/A		



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	Clause	Requirement – Test	Weign Albert Mr. An	Result – Remark	Verdict

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		NI P
B.1	General	A A At At	ΥP
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	at all all all a	P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
Mr.	Audio Amplifiers and equipment with audio amplifiers	White mil was my	N/A
B.2.3	Supply voltage and tolerances	Rated input 9Vdc	JIN P
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions General (See appended table B.3, B.4)		P
B.3.1	General	(See appended table B.3, B.4)	of Po
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
JEN.	Instructional safeguard	the set of	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	2 20 20 20 2	N/A
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3, B.4)	Р
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	Р
B.4	Simulated single fault conditions	IN A LET LET LE	Р
B.4.1	General	were mer me	Ъ
B.4.2	Temperature controlling device	(See appended table B.3, B.4)	IT P
B.4.3	Blocked motor test	Vicinal Automatic	N/A
B.4.4	Functional insulation	See below.	P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.3, B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.3, B.4)	MP
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.3, B.4)	LIEN P
B.4.6	Short circuit or disconnection of passive components	(See appended table B.3, B.4)	EF P



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Clause	Requirement – Test	Result – Remark	Verdict	
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	(See appended table B.3, B.4)	P	
B.4.9	Battery charging and discharging under single fault conditions	See annex M	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	LIER WILL WILL AND A	N/A	
C.2	UV light conditioning test	y the state of	N/A	
C.2.1	Test apparatus:	the write while while wh	N/A	
C.2.2	Mounting of test samples	at at at a	N/A	
C.2.3	Carbon-arc light-exposure test	Write Write Mrs. Aug.	N/A	
C.2.4	Xenon-arc light-exposure test	at the tip	N/A	
D S	TEST GENERATORS	2 July July	N/A	
D.1	Impulse test generators	The Thirt	N/A	
D.2	Antenna interface test generator	ir, mr. mr. m. a	N/A	
D.3	Electronic pulse generator	et let let liet liet al	N/A	
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	ING AUDIO AMPLIFIERS	Р	
E.1	Electrical energy source classification for audi	o signals	Р	
	Maximum non-clipped output power (W)	Mr. M. M.	-	
rie Auri	Rated load impedance (Ω):	LIEK NITEK MITER MALTE.	الأسيرين	
d 18	Open-circuit output voltage (V)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	28 — 1	
All In	Instructional safeguard:	ied intermeter while we	r. Tur	
E.2	Audio amplifier normal operating conditions	· · · · · · · · · · · · ·	of Post	
Myr 1	Audio signal source type:	antit with with with	20,00	
TEN	Audio output power (W):	at at alt alt	CONT.	
11. 20.	Audio output voltage (V):	MUTT MUTT MUT MUT MUT	20, _ 2	
TEX OUT	Rated load impedance (Ω):	et tet tet uter	CLIEN	
2,	Requirements for temperature measurement	or mer mer me a	Р	
E.3	Audio amplifier abnormal operating conditions	at at let the	P	



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43			70, 7, 2		
1			EN IEC 62368-	life with which w	
С	lause	Requirement – Test	art, were any an	Result – Remark	Verdict

F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	Per
F.1	General	THE THE AND AND	Р
Lifet WIL	Language:	English	_
F.2	Letter symbols and graphical symbols	Mr. Mr. Mr. M.	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	P. T.
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.	WALTER.
F.3	Equipment markings	at let let liet	THE P
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	PW
F.3.2	Equipment identification markings	See below for details.	P
F.3.2.1	Manufacturer identification	See copy of marking plate	Р
F.3.2.2	Model identification	See copy of marking plate	T P
F.3.3	Equipment rating markings	See below for details.	Р
F.3.3.1	Equipment with direct connection to mains	TEN ITE STATE OF THE BEST OF T	N/A
F.3.3.2	Equipment without direct connection to mains	Rated input 5Vdc or 9Vdc	Р
F.3.3.3	Nature of the supply voltage	See copy of marking plate.	Р
F.3.3.4	Rated voltage:	See copy of marking plate.	P+
F.3.3.5	Rated frequency	DC supply	N/A
F.3.3.6	Rated current or rated power	See copy of marking plate.	Р
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	THE WALL WALL WALL ON	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	- NIET WILET WILET WALE	N/A
F.3.5.2	Switch position identification marking	30 J J J J	N/A
F.3.5.3	Replacement fuse identification and rating markings	White white white white	N/A
The WALL	Instructional safeguards for neutral fuse	TEX STER RESERVED IN	N/A
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	70	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	an an an	N/A
F.3.6.1.1	Protective earthing conductor terminal	TEX STEX NUTER MUTE	N/A
F.3.6.1.2	Protective bonding conductor terminals	W M M	N/A
F.3.6.2	Equipment class marking:	TEK STEK STEK SUITE IN	N/A
F.3.6.3	Functional earthing terminal marking:	24 20	N/A
F.3.7	Equipment IP rating marking	This equipment is classified as IPX0.	717
F.3.8	External power supply output marking:	No such parts.	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.	INLTER P
F.3.10 FEX	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec, with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible.	TEK P JUNITE JUNITEK JUNITEK JUNITEK
F.4	Instructions	E MULL MULL MULL MAN	Р
- STEEL O	a) Information prior to installation and initial use	See user manual	Р
an an	b) Equipment for use in locations where children not likely to be present	white the the my	N/A
in the	c) Instructions for installation and interconnection	NITE WALL WALL WALL	N/A
EXMILIEX	d) Equipment intended for use only in restricted access area	ist writer writer weiter	N/A
- Jit	e) Equipment intended to be fastened in place	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
21/20 -21	f) Instructions for audio equipment terminals	COLIFE WILL WALL WALL WALL	w/P
All C	g) Protective earthing used as a safeguard	I st st set	N/A
ing an	h) Protective conductor current exceeding ES2 limits	MILLE MULL MULL MULL	N/A
MALI	i) Graphic symbols used on equipment	TEX STEE STEE WITE	N/A
y Willey	j) Permanently connected equipment not provided with all-pole mains switch	et tet stet stet w	N/A
, lit	k) Replaceable components or modules providing safeguard function	White will the set of	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
- Chr	N Facilities and containing in culating limited	E. Will Mull Mull	NI/A	
NICH I	Equipment containing insulating liquid Description instructions for a state or a review and the state of the sta	at the set	N/A	
2,	m) Installation instructions for outdoor equipment	Were aller aller a	N/A	
F.5	Instructional safeguards		P	
G	COMPONENTS	7	P	
G.1	Switches		N/A	
G.1.1	General	No switch used	N/A	
G.1.2	Ratings, endurance, spacing, maximum load	L CH SER SER	N/A	
G.1.3	Test method and compliance	The Mr. M.	N/A	
G.2	Relays	THE SHE SHE	N/A	
G.2.1	Requirements	No relay used.	N/A	
G.2.2	Overload test	Test Test Steel St	N/A	
G.2.3	Relay controlling connectors supplying power to other equipment	t it it in	N/A	
G.2.4	Test method and compliance	in white mure and	N/A	
G.3	Protective devices	L CH CENT CENT	N/A	
G.3.1	Thermal cut-offs	No such component	N/A	
NITER WAY	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	THE WATER OF	N/A	
IEK WALTE	Thermal cut-outs tested as part of the equipment as indicated in c)	The life of the life of	N/A	
G.3.1.2	Test method and compliance	20, 20, 3	N/A	
G.3.2	Thermal links	No such component	N/A	
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	THE THE STATE	N/A	
·	b) Thermal links tested as part of the equipment	my my	N/A	
G.3.2.2	Test method and compliance	TER LITER NITER AND	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	- Tet Tet Tet	N/A	
G.3.5.1	Non-resettable devices suitably rated and marking provided	The the tex	N/A	
G.3.5.2	Single faults conditions:	WILL MULL MULL MI	N/A	
G.4	Connectors	at all all of	N/A	
G.4.1	Spacings	No such component	N/A	
G.4.2	Mains connector configuration:	It let let let	N/A	
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	mer mer mer	N/A	



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Ol-	EN IEC 62368-		14
Clause	Requirement – Test	Result – Remark	Verdict
G.5	Wound components	the me of	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	Ang Ang Ang	N/A
G.5.2	Endurance test	LIET STEE WITER ALL	N/A
G.5.2.1	General test requirements	10. 711. 20. 2.	A N/A
G.5.2.2	Heat run test	TEX OLICE WALLER WALL	N/A
- (6)	Test time (days per cycle):		_
ang. a	Test temperature (°C)	WILL WILL WATER	111,0
G.5.2.3	Wound components supplied from the mains	a at at	N/A
G.5.2.4	No insulation breakdown	White Mail Mail A	N/A
G.5.3	Transformers	at at all a	N/A
G.5.3.1	Compliance method:	The Mary Mary May	N/A
ALIER MAIN	Position:	et let let le	N/A
- to,	Method of protection:	Must International	N/A
G.5.3.2	Insulation	THE JET WITH	N/A
, t	Protection from displacement of windings:	Mr. Mr. Mr.	
G.5.3.3	Transformer overload tests	LANE TO THE ME	N/A
G.5.3.3.1	Test conditions		N/A
G.5.3.3.2	Winding temperatures	LIE MITE WALL WALL	N/A
G.5.3.3.3	Winding temperatures - alternative test method		N/A
G.5.3.4	Transformers using FIW	THE WALL WALL	N/A
G.5.3.4.1	General	A ST ST	N/A
m, m	FIW wire nominal diameter:	WILL MALL MALL V	- L
G.5.3.4.2	Transformers with basic insulation only	at at let .	√ N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	NE WAY WAY	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	THE WALL WALL WALL	N/A
G.5.3.4.5	Thermal cycling test and compliance	ALTER MITER MALTE	N/A
G.5.3.4.6	Partial discharge test	20 x x	N/A
G.5.3.4.7	Routine test	WILL WILL MILL M	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	LIET WALTE WALTE WAL	N/A
G.5.4.2	Motor overload test conditions	1 1 1 1 1	N/A
G.5.4.3	Running overload test	in white with min	N/A
G.5.4.4.2	Locked-rotor overload test	at at at	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
Oladoc	Trequirement Test	rtodit rtomant	Verdiet
- A+	Test duration (days):	14 24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	_
G.5.4.5	Running overload test for DC motors	ALTER MILES MALTER	N/A
G.5.4.5.2	Tested in the unit	70 × 2+	N/A
G.5.4.5.3	Alternative method	RITER WALL WALL WA	N/A
G.5.4.6	Locked-rotor overload test for DC motors	s state at	N/A
G.5.4.6.2	Tested in the unit	TE WILL MULL MULL	N/A
LIEN.	Maximum Temperature	L of the the	N/A
G.5.4.6.3	Alternative method	MUNITED MALE WALL	N/A
G.5.4.7	Motors with capacitors	et et set	N/A
G.5.4.8	Three-phase motors	Mer Mer Mer A	N/A
G.5.4.9	Series motors	ret tet tet in	N/A
	Operating voltage:	er me me m	
G.6	Wire Insulation	CEL STEP STEP STEP	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	LIER STER WITE	N/A
G.7	Mains supply cords	W. W. W.	N/A
G.7.1	General requirements	No such component	N/A
et let	Type:		<i>i</i>
G.7.2	Cross sectional area (mm² or AWG):	LIE WITE WALL WALL	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	* street street sources	N/A
G.7.3.2	Cord strain relief	111 10	N/A
G.7.3.2.1	Requirements	LIFE MITE WALLE	N/A
it s	Strain relief test force (N)	24	N/A
G.7.3.2.2	Strain relief mechanism failure	RETER INLIER WALLE WA	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):		N/A
G.7.3.2.4	Strain relief and cord anchorage material	THE WALL WALL WALL	N/A
G.7.4	Cord Entry	L A At At	N/A
G.7.5	Non-detachable cord bend protection	WALL MUT AUT	N/A
G.7.5.1	Requirements	at at 18th	N/A
G.7.5.2	Test method and compliance	MUTT MUTT MUT M	N/A
TEK WALTE	Overall diameter or minor overall dimension, <i>D</i> (mm)	Test writest writest write	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
t TEX	Radius of curvature after test (mm):	a at at at	_
G.7.6	Supply wiring space	White Mrt. Mrt.	N/A
G.7.6.1	General requirements	at at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
0760	Chronidad viins	E WILL MULL MAL	7/10	
G.7.6.2	Stranded wire		N/A	
G.7.6.2.1	Requirements	week when when	N/A	
G.7.6.2.2	Test with 8 mm strand		N/A	
G.8	Varistors	Will Mar Mar My	N/A	
G.8.1	General requirements	No such component	N/A	
G.8.2	Safeguards against fire	y, my my my	N/A	
G.8.2.1	General	t the telegraphy	N/A	
G.8.2.2	Varistor overload test	me me m	N/A	
G.8.2.3	Temporary overvoltage test	Let let let	N/A	
G.9	Integrated circuit (IC) current limiters	Mr. Mr. M. D	N/A	
G.9.1	Requirements	No such component	N/A	
عاد ک	IC limiter output current (max. 5A)	r. Mr. M. M.		
" WILLE	Manufacturers' defined drift:	EK TEK STEK DITE		
G.9.2	Test Program	Mr. Mr. W.	N/A	
G.9.3	Compliance	LIEN NITER WITE	N/A	
G.10	Resistors		N/A	
G.10.1	General	No such component	N/A	
G.10.2	Conditioning		N/A	
G.10.3	Resistor test	LIE WILL WILL	N/A	
G.10.4	Voltage surge test	1 1 1	N/A	
G.10.5	Impulse test	MITTER MILITER WALL	N/A	
G.10.6	Overload test	1 A A	N/A	
G.11	Capacitors and RC units	INTER WALL WALL A	N/A	
G.11.1	General requirements	No such component	N/A	
G.11.2	Conditioning of capacitors and RC units	ALLE WALL MAD WA	N/A	
G.11.3	Rules for selecting capacitors	at at at S	N/A	
G.12	Optocouplers	MULT MULT MILE	N/A	
WALTER W	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A	
CENT C	Type test voltage V _{ini,a} :	A A A	TEX -	
W. The	Routine test voltage, V _{ini, b} :	MULL MULL MULL M	_	
G.13	Printed boards	at the state of	OF D	
G.13.1	General requirements	TIE MUT MUTINE	Р	
G.13.2	Uncoated printed boards	at the sale	P	
G.13.3	Coated printed boards	anti mi mi	N/A	



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	EN IEC 62368-	you are any any	20. 2.
Clause	Requirement – Test	Result – Remark	Verdict
0.40.4		the write write mer	, III
G.13.4	Insulation between conductors on the same inner surface	TET STEE STEE	N/A
G.13.5	Insulation between conductors on different surfaces	Mer Mer Mer	N/A
10	Distance through insulation:	WELL MULL AND MY	N/A
EK JEK	Number of insulation layers (pcs)	a at at a	<i>*</i> _
G.13.6	Tests on coated printed boards	The Maria Maria Maria	N/A
G.13.6.1	Sample preparation and preliminary inspection	t et set set	N/A
G.13.6.2	Test method and compliance	Mus Mus Mus	N/A
G.14	Coating on components terminals	TEK JEK JIEK	N/A
G.14.1	Requirements:	me me me	N/A
G.15	Pressurized liquid filled components	THE LIES STEE ON	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	EX SIEK WILL MILE	N/A
G.15.2.1	Hydrostatic pressure test	411 23 3	N/A
G.15.2.2	Creep resistance test	ALTER WALTER WALTER	N/A
G.15.2.3	Tubing and fittings compatibility test		N/A
G.15.2.4	Vibration test	Marin W	N/A
G.15.2.5	Thermal cycling test	+ ,	N/A
G.15.2.6	Force test	LIE WILL MULT WILL	N/A
G.15.3	Compliance	e st sit sit	N/A
G.16	IC including capacitor discharge function (ICX)		
G.16.1	Condition for fault tested is not required	No such component	N/A
in in	ICX with associated circuitry tested in equipment	Wer Me An A	N/A
LTER JOLT	ICX tested separately	TEK TEK JEK N	N/A
G.16.2	Tests	in my m	N/A
MULLE	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	THE WALTER WALTER WALT	n –
MALTER	Mains voltage that impulses to be superimposed on	NITER MILIER WAITER	whit -
INLIEK WA	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test:	THE STIFF STIFF	NITEK -
G.16.3	Capacitor discharge test:	on the second	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNAL	S	N/A
H.1	General	1. 24. A	N/A
H.2	Method A	TER NITER MATER MALIE	N/A
H.3	Method B	20, 2	N/A



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20.	EN IEC 62368-	13 me we we	20 0
Clause	Requirement – Test	Result – Remark	Verdict
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz)	at at the test	_
H.3.1.2	Voltage (V)	Will AND AND AND	_
H.3.1.3	Cadence; time (s) and voltage (V):	Et TEK TEK SITEK	_
H.3.1.4	Single fault current (mA):	" " " " " " " " " " " " " " " " " " "	_
H.3.2	Tripping device and monitoring voltage	t ster ster when	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	the feet state size	N/A
H.3.2.2	Tripping device	mer me me m	N/A
H.3.2.3	Monitoring voltage (V):	let let lifet with	N/A
J	INSULATED WINDING WIRES FOR USE WITHO INSULATION	UT INTERLEAVED	N/A
J.1	General	ic mir nor me of	N/A
CLITER .	Winding wire insulation:	the text the st	<u> </u>
70	Solid round winding wire, diameter (mm):	mur mr m	N/A
ALTER WAS	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	Whitek white	N/A
J.2/J.3	Tests and Manufacturing	THE THE	LIEK-N
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	of let tet liter in	N/A
TEP.	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard med	hanism	N/A
K.3	Inadvertent change of operating mode	at at let text	N/A
K.4	Interlock safeguard override	WELL MUE MUE MAN	N/A
K.5	Fail-safe Safe	at let tet tet	N/A
K.5.1	Under single fault condition	an my my	N/A
K.6	Mechanically operated safety interlocks	t get get gift ni	N/A
K.6.1	Endurance requirement	Mr. Mr. Mr.	N/A
K.6.2	Test method and compliance	TEX STEE OFFER SOLIE	N/A
K.7	Interlock circuit isolation	me m m	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	LIER WHITE MALTER WALTER	N/A
WALTER	In circuit connected to mains, separation distance for contact gaps (mm)	Et WHITEH WHITEH W	N/A
	In circuit isolated from mains, separation distance for contact gaps (mm)	STEE STEEK MITTER MILI	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
aller	Min Min War and the Test and	EL WILL WILL MUT, MU	- an-	
	Electric strength test before and after the test of K.7.2	TEK STEK SLIEK MLT	N/A	
K.7.2	Overload test, Current (A):	Mr. Mr. Mr. Mr.	N/A	
K.7.3	Endurance test	THE LIFE NITE MITE	N/A	
K.7.4	Electric strength test	in my my	N/A	
L	DISCONNECT DEVICES		N/A	
L.1	General requirements	24, 24	N/A	
L.2	Permanently connected equipment	A STEE WITE WITE WILL	N/A	
L.3	Parts that remain energized	AN AL AL	N/A	
L.4	Single-phase equipment	ALTER MILE WALL WALL	N/A	
L.5	Three-phase equipment	The state of	N/A	
L.6	Switches as disconnect devices	LIFE WALTE WALTE WALTE	N/A	
L.7 🛷	Plugs as disconnect devices	a at at at	N/A	
L.8	Multiple power sources	e while must show the	N/A	
JEK.	Instructional safeguard	at at all it	N/A	
М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	Р	
M.1	General requirements		N P	
M.2	Safety of batteries and their cells	2 445 241	Р	
M.2.1	Batteries and their cells comply with relevant IEC standards	IEC 62133-2:2017 considered. See test report.	P.	
M.3	Protection circuits for batteries provided within the equipment	A WITER WITER WAITER WAY	EK PS	
M.3.1	Requirements	Th. 12 24 20	P	
M.3.2	Test method	CLIEF WITE WALL WALL	△ P	
LIFEY MAL	Overcharging of a rechargeable battery	(See appended table Annex M)	JALIEP J	
EK MLTEK	Excessive discharging	(See appended table Annex M)	TEK P	
CLER	Unintentional charging of a non-rechargeable battery	Rechargeable Li-ion battery used.	N/A	
NITEH NO	Reverse charging of a rechargeable battery	The design of the connector prevents reverse polarity connections.	N/A	
M.3.3	Compliance	(See appended table M.3)	Р	
M.4	Additional safeguards for equipment containing a portable secondary lithium battery		P.	
M.4.1	General	It let let little	P	
M.4.2	Charging safeguards	Mer Me Me M	Р	
M.4.2.1	Requirements	at at the st	Р	



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20,	EN IEC 62368-	Til nuis mer and a	11. 20.
Clause	Requirement – Test	Result – Remark	Verdict
- Mar	All the state of t	er with with my	2112
M.4.2.2	Compliance:	(See appended table M.4.2)	P
M.4.3	Fire enclosure:	PS2 battery, fire enclosures or barriers required	√n P
M.4.4	Drop test of equipment containing a secondary lithium battery	(See appended table M.4.4)	UNITE O
M.4.4.2	Preparation and procedure for the drop test	at let let let.	JEEP 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%.	P
M.4.4.4	Check of the charge/discharge function	WITE WITE WITE WITE	√V/P
M.4.4.5	Charge / discharge cycle test	at the state of the	Р
M.4.4.6	Compliance	WILL MULL MULL MULL	Р
M.5	Risk of burn due to short-circuit during carrying	9 A At Alt Met	P
M.5.1	Requirement	No bare conductive terminal used	Р
M.5.2	Test method and compliance	the wife with the way	N/A
M.6	Safeguards against short-circuits	A ST ST ST	Р
M.6.1	External and internal faults	Write Will and Man	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.	MILIER WA
M.7	Risk of explosion from lead acid and NiCd batteries		N/A
M.7.1	Ventilation preventing explosive gas concentration	MULL MILL WILL WILL	N/A
Write au	Calculated hydrogen generation rate	LIFE OLIE MILE MILE	N/A
M.7.2	Test method and compliance	The state of	N/A
in mi	Minimum air flow rate, Q (m³/h)	LITER MITE WALL WALL	N/A
M.7.3	Ventilation tests		N/A
M.7.3.1	General	THE WALLE WALL AND AN	N/A
M.7.3.2	Ventilation test – alternative 1	A A A A	N/A
21/2 1	Hydrogen gas concentration (%)	MULL MULL MULL MULL	N/A
M.7.3.3	Ventilation test – alternative 2	it it tit tet	N/A
10.	Obtained hydrogen generation rate:	MULL MULL MULL AND AND	N/A
M.7.3.4	Ventilation test – alternative 3	It let tet tet	N/A
	Hydrogen gas concentration (%)	re me me a	N/A
M.7.4	Marking:	at let lifet allet in	N/A
M.8	Protection against internal ignition from extern with aqueous electrolyte	al spark sources of batteries	N/A



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Clause	EN IEC 62368-	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
M.8.1	General	THE THE STATE OF	N/A
M.8.2	Test method	NIFE WITE WAITE W	N/A
M.8.2.1	General	W	N/A
M.8.2.2	Estimation of hypothetical volume V_Z (m³/s):	alter antie water was	, m, -1
M.8.2.3	Correction factors:	a at at all	t of Ethan
M.8.2.4	Calculation of distance d (mm):	The MULL MULL MULL	211, 711
M.9	Preventing electrolyte spillage	at at all the	N/A
M.9.1	Protection from electrolyte spillage	Mur. Mur. Mur.	N/A
M.9.2	Tray for preventing electrolyte spillage	Let Let Liet o	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	with any all an	N/A
20	Instructional safeguard:	of the more must	N/A
N Jet	ELECTROCHEMICAL POTENTIALS	at at the the	N/A
131	Material(s) used	Mur me me	44 4
0.5	MEASUREMENT OF CREEPAGE DISTANCES A	AND CLEARANCES	N/A
72.	Value of X (mm)	Why Aug Aug A	, ,
P.TE and	SAFEGUARDS AGAINST CONDUCTIVE OBJECT	TS A	JE NELL P
P.1	General	7 1	Р
P.2	Safeguards against entry or consequences of	entry of a foreign object	Pir
P.2.1	General	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	P
P.2.2	Safeguards against entry of a foreign object	ex outer outer outile.	N/A
	Location and Dimensions (mm)	No opening.	LET JET
P.2.3	Safeguards against the consequences of entry of a foreign object	White White White W	N/A
P.2.3.1	Safeguard requirements	LIER SLIER WITER WILL	N/A
EK MLTEK	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	ex rex rex stex	N/A
CEE	Transportable equipment with metalized plastic parts	ME WE WELL	N/A
P.2.3.2	Consequence of entry test	White Mile Mile A	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	the text of the south	N/A
P.3.3	Spillage safeguards	in me me m	N/A
P.3.4	Compliance	et the life offer	N/A
P.4	Metallized coatings and adhesives securing pa	rts	N/A
P.4.1	General	No such construction.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
P.4.2	Tests of the the time of the time.	the wife with the wa	N/A
1.4.2		THE THE THE	IN/A
70, 1	Conditioning, T _C (°C)	were the the the	10.
Carrie Marie	CIRCUITS INTENDED FOR INTERCONNECTION	I WITH BUILDING WIDING	N//
Q		WITH BUILDING WIRING	N/A
Q.1 Q.1.1	Limited power sources	tet lit stilt milet	N/A
Q.1.1	Requirements	, W. M. W. 1	N/A
WILLE .	a) Inherently limited output	t light right right	N/A
~ -	b) Impedance limited output	Mr. M. M.	N/A
الل الماري	c) Regulating network limited output	Liet Tet Wille Will	N/A
	d) Overcurrent protective device limited output	Mr. M. R.	N/A
cie succi	e) IC current limiter complying with G.9	TEL STEE STEE WITE	N/A
Q.1.2	Test method and compliance:	. 10. 10.	N/A
	Current rating of overcurrent protective device (A)	EX MILEX MULTER WHITE M	N/A
Q.2	Test for external circuits – paired conductor cable	NITER WITER WAITER WALF	N/A
All .	Maximum output current (A):	The set	N/A
in the	Current limiting method:	The many sunt	1/2 - 1/
R	LIMITED SHORT CIRCUIT TEST	The state of	N/A
R.1	General	No such consideration.	N/A
R.2	Test setup	t let tet tet o	N/A
10,	Overcurrent protective device for test:	Mr. Mr. M. M.	
R.3	Test method	LEK TEK STEK STEK	N/A
?,	Cord/cable used for test	Mr. Mr. My M.	_
R.4	Compliance	TEX TEX LITER NITER	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	Not the All All	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
outer.	Samples, material	the test that the	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2,	Wall thickness (mm):	me me me	
NITER NO	Conditioning (°C):	TER LIER ALTER MATER	NATE OF
IEK OLI	Test flame according to IEC 60695-11-5 with conditions as set out	and any any the	N/A
211	- Material not consumed completely	The many many	N/A
LITE'S	- Material extinguishes within 30s	It THE THE THE	N/A
-01	- No burning of layer or wrapping tissue	Mr. Mr. Mr. M.	N/A
S.2	Flammability test for fire enclosure and fire bar	rier integrity	N/A



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Clause	EN IEC 62368-	20, 20, 20, 20, 20, 20, 20, 20, 20, 20,	Verdict
Clause	Requirement – Test	Result – Remark	verdict
	Samples, material:	The Till all the	_tt
mr. n	Wall thickness (mm):	ALTER MALTER WALTER WAL	701-
all the	Conditioning (°C):		- 12
S.3	Flammability test for the bottom of a fire enclose	sure and and	N/A
S.3.1	Mounting of samples	a at at the	N/A
S.3.2	Test method and compliance	it. Auti, Aut. Au.	N/A
	Mounting of samples:	t get test trest of	STER OF TE
20.	Wall thickness (mm):	MULL MAR MAN MA	_
S.4	Flammability classification of materials	TER STER STER WIT	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	and who are surficted	N/A
the Table	Samples, material:	e et et	18t -0
in	Wall thickness (mm):	TEL WALTE WALL WALL OF	16 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
TEX	Conditioning (°C)	at the little	50 July 1
T ^{or}	MECHANICAL STRENGTH TESTS	White My My My	N/A
T.1	General	it iter life	N/A
T.2	Steady force test, 10 N:	- 1 Jun 24	N/A
T.3	Steady force test, 30 N:	THE THE THE MITTER	N/A
T.4	Steady force test, 100 N:	14, 14, 24	N/A
T.5	Steady force test, 250 N:	et the street writer	N/A
T.6	Enclosure impact test	In In In	N/A
الل يرازي	Fall test	LIER WILLER WILLE WITH	N/A
. H	Swing test	an a st set	N/A
T.7	Drop test:	ALTER WALTER WALTER WALL	N/A
T.8	Stress relief test:	a state for	N/A
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	of the test that it	N/A
20,	Number of particles counted:	No such glass	N/A
T.11	Test for telescoping or rod antennas	TEX LIFE OUTER MITE	N/A
TEK OLI	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U TEP	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFFECTS OF IMPLOSION		N/A
U.1	General	ite with with my will w	N/A
NATEX	Instructional safeguard:	No CRT provided within the equipment.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Ciause	Treduitement – Test	Nesult - Nellidik	Verdict
U.2	Test method and compliance for non-intrinsical	y protected CRTs	N/A
U.3	Protective screen		N/A
V	DETERMINATION OF ACCESSIBLE PARTS		N/A
V.1	Accessible parts of equipment	ALTER WALTER WALTER	N/A
V.1.1	General		N/A
V.1.2	Surfaces and openings tested with jointed test probes	THE WALL MALL WALL A	N/A
V.1.3	Openings tested with straight unjointed test probes	A STEE WITE WATER WATER	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	An In the St.	N/A
V.1.5	Slot openings tested with wedge probe	SLIER WILL WALLE WALLE	N/A
V.1.6	Terminals tested with rigid test wire	The state of the s	N/A
V.2	Accessible part criterion	ALTER WALTER WALLE WALLE.	N/A
X writer	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
MITE	Clearance:	TER STER STER OUT	N/A
Υ	CONSTRUCTION REQUIREMENTS FOR OUTDO	OR ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation		N/A
Y.3	Resistance to corrosion	THE SITE OF STATE STATE S	N/A
Y.3	Resistance to corrosion	Sh A St	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	MULTER WALLES WHILE MY	N/A
Y.3.2	Test apparatus	TEX STEEL STEEL MITTE	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	The said the	N/A
Y.3.4	Test procedure	LIEK SLIEK WLIEF WHILE	N/A
Y.3.5	Compliance		N/A
Y.4	Gaskets	IF STIFF WITE WITE W	N/A
Y.4.1	General	70 7	N/A
Y.4.2	Gasket tests	MITE MILIE WHILE WHI	N/A
Y.4.3	Tensile strength and elongation tests	a at at all	N/A
ne an	Alternative test methods	WILL MULL MULL MULL	N/A
Y.4.4	Compression test	at the lite of the	N/A
Y.4.5	Oil resistance	The write mer, mer,	N/A
Y.4.6	Securing means	at at all the	N/A
Y.5	Protection of equipment within an outdoor enclo	osure we we	N/A
Y.5.1	General	at at all a	N/A



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	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
"alex	THE THE STATE OF	ite alie with whi	Mr. All		
Y.5.2	Protection from moisture	70 70	N/A		
Mr. M	Relevant tests of IEC 60529 or Y.5.3:	NITER WITE WALLE	W/A		
Y.5.3	Water spray test	20 T A	N/A		
Y.5.4	Protection from plants and vermin	RITER MITE WALL OF	N/A		
Y.5.5	Protection from excessive dust	1 1	N/A		
Y.5.5.1	General	LIE WILL WALL WAS	N/A		
Y.5.5.2	IP5X equipment	L A At At	N/A		
Y.5.5.3	IP6X equipment	WHITE WILL WILL	N/A		
Y.6	Mechanical strength of enclosures	at at the	N/A		
Y.6.1	General	Will All Mar	N/A		
Y.6.2	Impact test:	A At At	N/A		





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Jr.	The same	Mrs. Silv. 211	EN IEC 62368-1	TER MITTER WILLIAM	ore mary mary
	Clause	Requirement – Test	The Man 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)	Lies while while my	Р
Whitek a	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
nir om	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 Pa² s. T $E = \int_{0}^{T} p(t)^{2} dt$	TEX WHITE WHITE WALTER WHITE W	N/A



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

Olddoo	Troquiromont Tool	Troodit Tromant	Voluiot
- 10 1		The Life will start to	12 211
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>E</i> ₀ , typically the 1 kHz threshold of hearing in humans.	untilek whitek whitek wh	N/A
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	STEE MULTER WHITE WILL	
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	while wifet wifet w	UNITE WALTER
SLIFE IN	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	The Life The Man	IEK INLIEK
3.3.19.5	digital signal level relative to full scale, dBFS	Mr. Mr. Mr. M.	N/A
	levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused	TEX WALTER WALTER WALTER	antifek antif
WAITER W	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.	MULTER WALTER WALTER WA	LIEK WALTER
2	Modification to Clause 10		N/A
10.6 Safeguards against acoustic energy sources		the life	N/A
, alex	Replace 10.6 of IEC 62368-1 with the following:		The Me
10.6.1.1	Introduction	Not such equipment	N/A
Whitek wh	Safeguard requirements for protection against long-term exposure to excessive sound pressure levels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered. A personal music player is a portable equipment intended for use by an ordinary person, that:	White whitek whitek whitek	TEX UNLIEK
	 is designed to allow the user to listen to audio or audiovisual content / material; and uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a 	AND TEXT WALTER	WILL WALTER
	subway, at an airport, etc.). EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.	t with with the	MUNITER WALTE
	Personal music players shall comply with the	20, 20	at at



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20,	EN IEC 62368-	in the men one	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
1965	All	Et LIEB OLIEB MILLE	with my
	NOTE 1 Protection against acoustic energy sources from	74, 74, 2,	a A
	telecom applications is referenced to ITU-T P.360.	Let Let Jek	ALTER OLIVE
	NOTE 2 It is the intention of the Committee to allow the	WILL MUE MUE	21, 21,
	alternative methods for now, but to only use the dose	200	at let
	measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as	LEK TEK LITER O	Liter of the col
	possible.	The Mer My M	
	Listanina daviasa sald sanarataly aball sanarby	1 1 1 1	it it is
	Listening devices sold separately shall comply with the requirements of 10.6.6.	TER SLIFE WITE WAY	are are
	These requirements are valid for music or video	20, 20, 2	
	mode only.		The State
	The requirements do not apply to:	CLIFE WALL WALL	211
	- professional equipment;	711	4 1
	is the the the the	LET TEXT TEXT	aliter with
	NOTE 3Professional equipment is equipment sold through	WILL WELL PART OF	120
	special sales channels. All products sold through normal electronics stores are considered not to be professional		at at
	equipment.	TEL STEEL STEEL ON	in with
	The set set set steet will red	in the the	3,
	 hearing aid equipment and other devices for 	1 1 1 1	t dit di
	assistive listening;	the alter mate and	We are
	- the following type of analogue personal music	211. 21. 20	1 1
	players:	at at the	TEN STE
	long distance radio receiver (for example, a	Chief Will Will	21/2
	multiband radio receiver or world band radio receiver, an AM radio receiver), and	- N - N - N - N - N - N - N - N - N - N	1 1
	• cassette player/recorder;	At The State .	LITE SLIVE
	Cassette player/recorder,	21/2 21	. 2, ,
	NOTE 4 This exemption has been allowed because this		x lit
	technology is falling out of use and it is expected that within a	the the time of	an's an
	few years it will no longer exist. This exemption will not be extended to other technologies.	in the the	
	The Title Will all the Minds	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 18th JE
	- a player while connected to an external amplifier	ALTER REFERENCE	MUT. ALL
	that does not allow the user to walk around while	20, 20, 20,	1 1
	in use.	At At At	THE STEE
	For equipment that is alcorly designed as intended	CLIP MILL WALL	14.
	For equipment that is clearly designed or intended primarily for use by children, the limits of the	19, 10	at at
	relevant toy standards may apply.	Let Let July	TEX OLIVE SI
	Tolovant toy standards may apply.	Ver Mer Mer Me	20 20
	The relevant requirements are given in		* 15 4
	EN 71-1:2011, 4.20 and the related tests methods	CERT THE STEE WITH	NUC. WILL
7	and measurement distances apply.	24, 24, 24	
10.6.1.2	Non-ionizing radiation from radio frequencies	the state of	N/A
21/2 2	in the range 0 to 300 GHz	CLIE WILL WILL	21/2 21/2
	The amount of non-ionizing radiation is regulated	24. 22. 2	4 4
	by European Council Recommendation	CH CH CEN	LITER WITE
	1999/519/EC of 12 July 1999 on the limitation of	WILL MULL WILL M	10 0
	exposure of the general public to electromagnetic		at at
	fields (0 Hz to 300 GHz).	CER JER JER N	in and
	For intentional radiators, ICNIRP guidelines should	in any any any	7.
	be taken into account for Limiting Exposure to		- 15 T
	Time-Varying Electric, Magnetic, and	Et lier with with	Wer when
	Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is	21/2 21/2 21/2	



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Unite Maria	Mir. My Alle M.	EN IEC 62368-1	hing Mr.
Clause	Requirement – Test	Result – Remark	Verdict

10.6.2	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. For classifying the acoustic output <i>L</i> _{Aeq, T} ,	Not such equipment	
	measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	White Mriek Autiek Auti	EX MUTEX
	For music where the average sound pressure (long term $L_{Aeq,\tau}$) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, T becomes the duration of the song.	TEX WALTER WALTER WALTER	united on
	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 song is not above the basic limit of 85 dB.	White	ynitek wnitek wnitek wnitek
10.6.2.2 STEEL WALTER WALTER	RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue interface) or -25 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER JUNITER WHITER WHITER JUNITER WHITER WHITER	THE WARTER WARTER
		MUNITER WHITER WHITER W	NLTEX JUN SEX JUN



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Clause	Requirement – Test	Result – Remark	Verdict
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	the tex tex	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	JUNITE WHITE	AL JULE WALLER WAS
10.6.2.4	simulation noise" as described in EN 50332-1. RS3 limits	Maria Maria Maria	N/A
White W	RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	Whilek whilek whilek	NITER WALTER
10.6.3	Classification of devices (new)	A THE	N/A
10.6.3.1	General 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.	Not such equipment	N/A
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.	UNLIER WHITE WHITER	EX WITEX WIT
10.6.3.3	RS2 limits (new)	MITE SINIFE SUNIFE	N/A
	RS2 is a class 2 acoustic energy source that does not exceed the following: – for equipment provided as a package (player	Writek Mritek Muritek M	RUTEK WALTER

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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
WIND ON THE WAR THE WA	with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the weekly sound exposure level, as described in EN 50332-3, shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. – for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN50332-1.	ANTIEK WHITEK WH	ALIER WHITER WHITER WHITER W
10.6.4	Requirements for maximum sound exposure	in mur mer me	N/A
10.6.4.1	Measurement methods All volume controls shall be turned to maximum during tests. Measurements shall be made in accordance with	Not such equipment	N/A
10.6.4.2	EN 50332-1 or EN 50332-2 as applicable. Protection of persons	at the si	N/A
EK WALTE	Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	the white white	L WAY
	NOTE 1 Volume control is not considered a safeguard.	WALTER WALTER WALTE	Mur. Mur.
	Between RS2 and an ordinary person , the basic safeguard may be replaced by an instructional safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the instruction manual. Alternatively, the instructional safeguard may be given through the equipment display during use.	untitek whitek whitek whitek	LITER WHITER ON
	The elements of the instructional safeguard shall be as follows:	ONLIER WHITEK WHITEK	UNLIER WALTER
	- element 1a: the symbol , IEC 60417-6044 (2011-01) - element 2: "High sound pressure" or equivalent wording - element 3: "Hearing damage risk" or equivalent	MULTER MULTER MULTER MULTER	TEX MITEX ON
	wording – element 4: "Do not listen at high volume levels for long periods." or equivalent wording	ANTIFEK MUTEK MUTEK	MULL MULTE
			200



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	EN IEC 62368-1	70, 70, 70,	
Clause	Requirement – Test	Result – Remark	Verdict
2/10	M M The State of	The state of the s	me m
	of an ordinary person to an RS2 source without	20. 1	x 15
	intentional physical action from the ordinary	LET THE LIER	The mile
	person and shall automatically return to an output	Will My August	11. 20.
	level not exceeding what is specified for an RS1	20	A 15
	source when the power is switched off.	at let the	TE STATE
		recommendation with the	2, 2,
	The equipment shall provide a means to actively		+ J+ ,
	inform the user of the increased sound level when	A LEK STEE STY	
	the equipment is operated with an output	The The The	20,
	exceeding RS1. Any means used shall be	4	.00
	acknowledged by the user before activating a	THE STEEL STEEL	Will Will
	mode of operation which allows for an output	The Men Man	20, 20
	exceeding RS1. The acknowledgement does not	* * *	at let
	need to be repeated more than once every 20 h of	Let Let like	CLIFE WALLEY
	cumulative listening time.	Were were the in	
	NOTE 2 Examples of means include visual or audible signals	4 4	it lit
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed.	TEN ITEN LITE OU	ar ar
	and the set of the second	The Mr. In	
	NOTE 3 The 20 h listening time is the accumulative listening		
	time, independent of how often and how long the personal music player has been switched off.	A THE STILL WITH	The Mrs
	music player has been switched on.	24, 24, 25.	4
	A skilled person shall not be unintentionally	at at all	THE THE
W W	exposed to RS3.	THE WALL THE	arr arr
10.6.5	Requirements for dose-based systems		N/A
0.6.5.1	General requirements	Not such equipment	N/A
	Personal music players shall give the warnings as	-3	. 4
	provided below when tested according to EN		
		ite alie anti- wall	" " " " " " " " " " " " " " " " " " "
	50332-3, using the limits from this clause.	THE MILE WALL MILE	must my
		THE WALL WILL WILL	TE NA
	50332-3, using the limits from this clause. The manufacturer may offer optional settings to	The white white white	MULTE MULTE
	50332-3, using the limits from this clause.	Whitek whitek whitek	white white
	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	Whitek whitek whitek	White white
	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	Whitek whitek whitek	White white
	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	Whitek whitek whitek	White white
	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	JUNITER WHITE WHITER	White was a second control of the control
	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	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	White white white was the same
	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,	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	White white white was the same of the same
	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	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	White white white was the way
	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	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	White
	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	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	White
	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.	TEX TEX STEEL STEEL	White
	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	JUNITER WHITER W	White
	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	JUNITER WHITER W	White
	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 dose management system, the risks involved, and	TEX LIEK SLIEK	White
	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 dose management system, the risks involved, and how to use the system safely. The user shall be	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	JUNITE WALTER JUNITER JUNITER JUNITER JUNITER JUNITER JUNITER JUNITER JUNITER JUNITER
	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 dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	White
	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 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	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	White
	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 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	TEK WILLEK WILLE	White
TEXT WILLIER WALTER	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 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.	TER WHITE WH	N/A
MULTER WILLIAM LITER WILL LITER WILL LITER WILL O.6.5.2	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 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. Dose-based warning and requirements	JEK WILLEK WILLE	AND
MALIFER WALLER W	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 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.	JEE WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER W	N/A



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- 2	EN IEC 62368-1	The The Man	12, 2
Clause	Requirement – Test	Result – Remark	Verdict
Aller.	W W The street	The water water	The All
	acknowledgement. In case the user does not	70	14 14th
	acknowledge, the output level shall automatically	THE THE LIFE.	NITE SIGNER
	decrease to compliance with class RS1.	They were the to	200
	The warning shall at least clearly indicate that	1 1	LEK LEK
	listening above 100 % CSD leads to the risk of	TER LIER OLIVE WILL	10 10 10
	hearing damage or loss.	in the man	
0.6.5.3	Exposure-based requirements	e et et e	N/A
0.0.0.0		EL WILL AUGUS MUL	200 1300
	With only dose-based requirements, cause and effect could be far separated in time, defying the	200	A- A
	purpose of educating users about safe listening	the set seems	WILL WILL
	practice. In addition to dose-based requirements,	They war war.	21, 22,
	a PMP shall therefore also put a limit to the short-		14 18th
	term sound level a user can listen at.	THE STEEL STEEL OF	LITE WALL
	I se see see see mile mile	ner we are an	
	The exposure-based limiter (EL) shall	1 1 1 1 1	CH LET
	automatically reduce the sound level not to exceed	TER SITE MILL WAL	211, 211
	100 dB(A) or 150 mV integrated over the past 180	10, 10	4
	s, based on methodology defined in EN 50332-3.	* It It I'm	The real
	The EL settling time (time from starting level	with whi whi	24, 20,
	reduction to reaching target output) shall be 10 s or faster.		
	or laster.	THE THE LIFE	WILL WILL
	Test of EL functionality is conducted according to	Mr. Mr. 211 2	
	EN 50332-3, using the limits from this clause. For		LET LET
	equipment provided as a package (player with its	THE WALL WAS	" " " " " " " " " " " " " " " " " " "
	listening device), the level integrated over 180 s	3	
	shall be 100 dB or lower. For equipment provided	The state of	
	with a standardized connector, the unweighted	the will will will	2/1,
	level integrated over 180 s shall be no more than	70 1	21- 26
	150 mV for an analogue interface and no more	THE STATE STATE	White Will
	than -10 dBFS for a digital interface.	The Aut on	20, 2
	NOTE In case the source is known not to be music (or test	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE THE
in a	signal), the EL may be disabled.	CITES MILITE MALITY	7. 70.
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	71, 70	4
	listening device, and with the volume and sound	A LEK TEK ITE	The mail
	settings in the listening device (for example, built-	WILL MULL MAN	211.
	in volume level control, additional sound features like equalization, etc.) set to the combination of	, , , , , , , , , , , , , , , , , , ,	A 18
	positions that maximize the measured acoustic	THE THE NITE	WILL MILL
	output, the input voltage of the listening device	Mr. Mr. M.	2,
	when playing the fixed "programme simulation	1 1 1	THE THE
	noise" as described in EN 50332-1 shall be ≥ 75	LIFE OLIF WILL WA	1100
	mV.	14. 24. 25. 2.	
		at at at a	1 TE. 10
	NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.	it with any and	2/1, 20,
0.6.6.2	Corded listening devices with digital input	e of at	N/A
	With any playing device playing the fixed	" INLIL SINLL WILL	211.
	"programme simulation noise" described in EN	20, 12,	A ST
	50332-1, and with the volume and sound settings	Let let let	LIE WITE
	in the listening device (for example, built-in volume		100



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	EN IEC 62368-1	the wife were and	
Clause	Requirement – Test	Result – Remark	Verdict
Whitek 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.	antite white antite	untiest untiest
10.6.6.3	Cordless listening devices	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
Whitek whitek	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.	TEK WHITEK	White whitek was the way the w
10.6.6.4	Measurement method	WHITE WHITE WALL	N/A
NITEK NI	Measurements shall be made in accordance with EN 50332-2 as applicable.	at the	LIEK NITEK
3	Modification to the whole document		N/A



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EN IEC 62368-1				
	Clause Requireme	nt – Test	Result – Remark	Verdict

list:	20, 20,		1	THE THE	Life Will	2/1
0.2.1	Note 1 and 3	2 1	Note 4 and 5	3.3.8.1	Note 2	
3.3.8.	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	21/2
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	CEN
5.4.2.	3.2.4 Note 2	5.4.2.5	Note 2	5.4.5.1	Note	Ø⁻
Table	13					4
5.4.10	I.2.1 Note	5.4.10.2.2	Note	5.4.10.2.3	Note	110
5.5.2.	1 Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	n List
5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	TEK.
8.5.4.	2.3 Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	¢ √'
10.6.	- Note 3	F.3.3.6	Note 3	Y.4.1	Note	
Y.4.5	Note				1	2/2
			AF AV		SV 10V 31	N. I.E.
Modifica	tion to Clause 1					
NOTE Z1	following note: The use of certain subsequipment is restricted			MULTER WILL	Et WALTE WAL	



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	The time is the same	EN 150 0000 4	The state of the s
20,		EN IEC 62368-1	70. 4.
Clause	Requirement – Test	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	Not directly connected to the	N/A
AND TEX ON THE TEXT OF THE TEX	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	WALTER WALT WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER
6	Modification to 5.4.2.3.2.4		N/A
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No such radiation from the equipment.	N/A
8	Modification to 10.5.1		N/A



N/A

N/A

Ρ

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measurement is made.

Modification to G.7.1

Add the following note:

Modification to Bibliography

13 May 1996.

G.7.1

10

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

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

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

taking account of the background level.

	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
Me	THE THE ST	all mil whi	me m		
10.5.1	Add the following after the first paragraph:	20, 20,	N/A		
	For RS 1 compliance is checked by measurement under the following conditions:	MILIER WALTER WALTER	MULL MULL		
	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.	LIFE WHITEK WHITEK WHITEK	ex unifer unifer		
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	MALIER WALTER WALTER V	INLIER WALTER		
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	TEX WHITEK WHITEK WH	TEK MITEK WI		
	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	Whitek whitek whitek	MUTER MUTER		



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EN IEC 62368-1				711	
	Clause	Requirement – Test	Mr. M. M.	Result – Remark	Verdict

ar		an .
et.	Add the following notes for the standards indicated:	P
WILLEY WALTER WILLEY WALTER WILLEY WALTER WILLEY 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 61643-31 NOTE Harmonized as EN 61643-31. IEC 61643-31 NOTE Harmonized as EN 61643-31. IEC 61643-331 NOTE Harmonized as EN 61643-331.	June June Call
11	ADDITION OF ANNEXES	Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	P
4.1.15 SUNLIFE SUNLIFE SUNLIFEE SUNLIFFEE SUNLIFEE SUNLIFEE SUNLIFEE SUNLIFEE SUNLIFEE SUNLIFEE SUNLIF	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"	SON/A STEEL WALLES W
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	0 W 11 2020 1001 000 1	1 495 51 51 55		A 60	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
EN IEC 62368-1						10
	Clause	Requirement – Test	The Mary My May	Result – Remark	at s	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	SILL I
	and the little of the country of the	mr. mr. m. m.	
	A warning (marking safeguard) for high touch	A SH TEN TEN	LIER
	current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	HILL MALL MALL MALL	1/2 1/1
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:	est white white white w	Li All
	For separation of the telecommunication network from earth the following is applicable:	White white white wh	t TEX
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	intifer white white white	JUNE V
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	The mile mile with white	76x 77
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	ALTER OUTER MULTER MULTER	ek Murek
	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	Miret untilet	WATER OF
	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	TER MUTE
	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 WALLER WALLER WALLER	White.
	and	at the the the	NI EX MILI
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	WALL MALES WALLES WAL	IEK WALTER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	NITER WATER WATER	- Writek
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	THE WALTER WALTER	irix anir
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	TEK TEK STEK MITE	EX MITER



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	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
24	testing, is tested with an impulse test of 2,5 kV	West wines when	40.
	defined in 5.4.11;	et let let	SLIFE CLIFE
	the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	anery while average and	iek waitek w
ek Waliek	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	EX MULTER WHITER WHITE	Auri Ex Auri
5.5.2.1	Norway	TEN TEN TEN	N/A
	After the 3rd paragraph the following is added:	Mer Mr. Mr.	y. 7
ILEK IN	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	miter mater water on	iller miller
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A
	To the end of the subclause the following is added:	the street writest surfresh	WALTEX WALTE
	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 Muriek Muriek	MITER WHITER
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:	White whitek whitek	WALTER WALTE
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	UNLIEK WHITEK WHITEK W	Will Muli
5.6.4.2.1	Ireland and United Kingdom	at at at a	N/A
	After the indent for pluggable equipment type A, the following is added: - the protective current rating is taken to be 13	the wall wall was	and ex unif
	A, this being the largest rating of fuse used in the mains plug.	21/2 21/2 20.	. A
5.6.4.2.1	France	TEX STEX STEE	N/A
	After the indent for pluggable equipment type A , the following is added: – in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A.	whitek muritek muritek mu	itek mitek m
5.6.5.1	To the second paragraph the following is added:	The WILL MULL MULL	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.	Whitek whitek whitek	MUTTER WITE



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1 21/L		EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	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.	united whited wh	MULTER WAS
5.7.6	Denmark	Mr. M. M. 20.	N/A
MILIER 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.	Martiek Martiek Martiek Martiek	MULTER ON
5.7.6.2	Denmark	TEX STEEL WILLIAM WILL WE	N/A
ek volitek	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.	antiek unitek unitek unit	ek waitek
5.7.7.1	Norway and Sweden	Not such system.	N/A
MATER ON THE SUNTER ON THE SUN	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	THE MILITER WHITER	NUTER OF STEEL
211	may be provided by a retailer, for example.	rie murit mur mur m	20
EX WITE WILTER	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:	A THE MILITER WHITE	ek waite waitek
untiles un	"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	NITER ON
TEK WALTE	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)"	THE WALTER WALTER WALTER WALTER	TEX UNIT
2/1 2	NOTE In Norway, due to regulation for CATV-installations, and	Mer Mer Mer Mer	20. 2



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72,	EN IEC 62368-1	is we was all	2
Clause	Requirement – Test	Result – Remark	Verdict
ale .		The sale was	2/1
	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.	ALTER MITTER WALTER WALTE	WALTEX
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	LIES NIFES WALTES WALTES	WALTEK DI
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	EX WHITEX WHITEX WHITEX WHI	E MILIER
ner water gerwater water	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."	INTER WALTER WALTER WALTER	un itek uni
3.5.4.2.3	United Kingdom	No external circuits.	N/A
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	TE OLITE MILIER WILLER	WALTEX W
3.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A
B.4 Neist on the control of the cont	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	t while and the same of the sa
G.4.2	Denmark To the end of the subclause the following is added:	Not directly connected to the mains	N/A
	Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	LEK WHITEK WHITEK	IN TEX MU
	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	T VINITE



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20,	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
21/10	THE THE THE THE	The Will Mary Mary	400
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* LET
	with standard sneet DK 2-1a of DK 2-5a.	THE STIES WITE WITE	Wille
	If a single-phase equipment having a RATED	The Mr. M. A.	
	CURRENT exceeding 13 A or if a polyphase	At At 18th 1788	LIE
	equipment is provided with a supply cord with a	LITE WILL WALL WALL	21 20
	plug, this plug shall be in accordance with the	3"	J+ 4
	standard sheets DK 6-1a in DS 60884-2-D1 or EN	EX TEX LIER OLIVE I	in with
	60309-2.	The sign in in	
	Mains socket outlets intended for providing power	at at set of	E JE
	to Class II apparatus with a rated current of 2,5 A	WITE WITH WALL WALL	2/1/2
	shall be in accordance DS 60884-2-D1:2011	711	
	standard sheet DKA 1-4a.	TEX TEX STEP STEP	1000
	Other current rating eacket outlets shall be in	ner we are in	
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a	e it it it	TEN
	or DKA 1-1c.	THE MIT WILL WALL	14 21
	TEX TEX LITER MITTER MITTER WALL WILL	20, 20	+ 4
	Mains socket-outlets with earth shall be in	IN THE LIER WITH W	The Will.
	compliance with DS 60884-2-D1:2011	The me in	
	Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-	a state of	4 (1)
	5a or DK 1-7a	ALTER MITE MALL MALL	2/1/2
	Justification:	w w	
	Heavy Current Regulations, Section 6c	ALTER MITE	a Clife W
G.4.2	United Kingdom	Not directly connected to the	N/A
	To the end of the subclause the following is	mains	Will The
	added:	in the the the	, ,,,
		at the set of	6 JE
	The plug part of direct plug-in equipment shall be	NITE WILL WALL WALL	. The
	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,	711 20	L .+
	except that the test of 12.17 is performed at not	LET THE THE NATE	CLIFE
	less than 125 °C. Where the metal earth pin is	Will wife Mrs Mrs	20,
	replaced by an Insulated Shutter Opening Device		TEX
	(ISOD), the requirements of clauses 22.2 and 23	THE STEE STILL WITH	4/1/
074	also apply.	10. 10. 1.	NI/A
G.7.1	United Kingdom To the first paragraph the following is added:	EX LIEX SLIER OLIER OF	N/A
	To the first paragraph the following is added:	Mr. Mr. M. M.	.1
	Equipment which is fitted with a flexible cable or	at let let let	E CLIE
	cord and is designed to be connected to a mains	auty mur auty and	20
	socket conforming to BS 1363 by means of that	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	flexible cable or cord shall be fitted with a	TEL LIE WITE MITE	WE. J
	'standard plug' in accordance with the Plugs and	The Mr. M. M.	
	Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by	at at at let	JEE N
	those regulations.	TE WILL WILL WILL V	1. 21.
	EX TEX TEX WIT ONLY WAY	700	24 £
	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or	t TEX TEXT STEEL OF	J. William



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EN IEC 62368-1						
Clause	Requirement – Test	ite, Mutic Mic Mile	Result – Remark	Verdict		

G.7.1	Ireland	24, 25,	N/A	
MALTER	To the first paragraph the following is added:	NUTER MITER WHITER WHITER	MALTER	
LIEK WALTE	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	ek wh	
G.7.2	Ireland and United Kingdom	inite white white whi	N/A	
	To the first paragraph the following is added:	a at at at		
الله المالية المالية المالية	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.	intermeter while while while a	ilek "I	
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)			
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.	Whitek whitek whitek whitek		
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	TE WHITE WHITE WHITE WHITE		
	NOTE Contact address:	CH TEX TEX TEXT		



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The The	711 711	EN IEC 62368-1	TER MITE WILL	Wer. Au	2/1
Clause	Requirement – Test	Mur. M. M.	Result – Remark	et d	Verdict

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



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EN IEC 62368-1						
	Clause Requireme	nt – Test	Result – Remark	Verdict		

5.2	TABLE: Classificati	on of electrical er	nergy source	es		4 4	P⊢	
Supply	Location (e.g.	Test conditions		Param	eters	,	ES Class	
Voltage	voltage	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
9.0Vdc	The EUT is	Normal	<60Vdc	n -2n	SS	DC	ES1	
	designed to be supplied by Micro	Abnormal	J. 427	TER TILLE	MITE V	Vr. Aller	(declare)	
	USB or type-C	Single fault – SC/OC	104 16 111, " 121,	* TEK	SLIEK- NI	EK - UNLIEK		
4.2Vdc	The EUT is	Normal	<60Vdc	21, - 2	SS	DC	ES1	
	designed to be supplied by	Abnormal	11 - 12t	کار ^{شا} کار د	11 - 11 LIVE	Will W	(declare)	
	Internal Li-ion battery	Single fault – SC/OC	71/2	764 76	t still	OLIE MIL		

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: Working	voltage measur	rement		N/A		
Location		RMS voltage Peak voltage Frequence (V) (V) (Hz)		Frequency (Hz)	y Comments		
- ~	st st st	- LIEN MILI	" WIT " WE	no m	- L 1		
Willey W	in mer mer	711 C	J - J	- 5 ⁴ 5	EL MITER WALTE WALTE		
Suppleme	ntary information:						
The state	The Au	24	A B	LET JET	atter with and an		

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Method		: ISO 306 / B50		
Object/ Part No./Material	Thickness (mm)	T softening (°C)		
- of set set set	WITE WILL WILL WAS	20, 20, 2,	L 74 - 75	
Supplementary information:				
Supplementary information:	LITE WALL WALL WALL	n n	* *	

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



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EN IEC 62368-1									
Clause	Requirement – Test	Result – Remark Verdict							
" Alex	W W	* I'm all and and an							
_{LEF}	TEX TEX TEX WITE WITE MINTE	M- M - X H- H							
Suppleme	entary information:								
× .	EX TEX STER STER MIT WALL	an an							

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance								
Clearance (cl) and creepage distance (cr) at/of/between:	U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
WILL MULL MULL AND	1/1	2,	1		All I	56t	EK INLIE	WITE.

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	TABLE: Minimum distance through insulation							
Distance th (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)				
- ,et	TER TER ST	WITE WILL WAL	111 - 21,		et - et				
Supplemen	tary information:								
*See also s	sub-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 AND AND	- Mr.	- 4	# 11+	-TEX STE	- CLIER OF	AE MILIE		
Supplementary information:								
will will the sur	24	, ,,,,,,,,		CENT SEPT	JEE RIT	TIPLY T		

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



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S. Mr.	The same of the sa	EN IEC 62368-1	Mr. Mr.
Clause	Requirement – Test	Result – Remark	Verdict

5.5.2.2	TABLE: Stored discharge on capacitors					
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class
11/2	111.		Normal	TER METER S	Mrt. Arr.	ar -ar
WALTEK -	Writek AL	I'E WALLE WALL	Single fault: SC/ OC	* 176* K	is the state of th	LIEK -LIEK
Suppleme	ntary infor	mation:				
X-capacito	rs installed	d for testing are:	A LET LET	LIFE SLIFE	antite whi	Wer a
[] bleeding	g resistor r	ating:				
[] ICX:						
1) Normal	operating o	condition (e.g., norma	l operation, or open fus	se), SC= short	circuit, OC= ope	en circuit

5.6.6	TABLE: Resistance of protective conductors and terminations							
Location		Test current (A)	Duration Voltage dro		Resistance (Ω)			
1		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		-	et st			
Suppleme	ntary information:							
. C. L. L.		N. 180		t 11	- 18th S			

5.7.4	TABL	E: Unearthed acces	ssible parts				N/A
Location		Operating and Supply		ı	Parameters		ES class
		fault conditions	fault conditions Voltage (V)		Current (A _{rms} or A _{pk})	Freq. (Hz)	
in 2	.L	Normal	CUTEL MUTE	while whi	mr - m	12,	
EX MUTER MUTER		Abnormal: overload	et liet	NATER MATER	uniter uniter	NULLER A	stre - whi
		Single fault: SC/OC	7 Th		LIEK IN	LIEK-WIN	EK WILLE
Suppleme	ntary inf	ormation:				'	
SC= short	circuit:	OC= open circuit	. بد	at at a	CT JO ST	-11/2	11/2

5.7.5 TABLE: Earthed acces	TABLE: Earthed accessible conductive part					
Supply voltage (V):	- LITER MITE MILL W	in the a	1. 20	_		
Phase(s):	[] Single Phase; [] Three	[] Single Phase; [] Three Phase: [] Delta [] Wye				
Power Distribution System:	[]TN []TT []IT	111, 12,				
Location	Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Commer	nt		
LEK TEK TEK NITER MIT	any also an	- L	<i>*</i>	100		
Supplementary Information:						



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in m	Mr. Mr. A. St.	EN IEC 62368-1	Mr. Mr.
Clause	Requirement – Test	Result – Remark	Verdict

5.8	.8 TABLE: Backfeed safeguard in battery backed up supplies								
Location Supply voltage (V) Operating and fault condition Time (s) Open-circuit voltage (V) Current (A)							ES Class		
Car Willer	W. Lieb	Wille- Will	ang - ang	~	- 	et -jet	SUFF- NUT		
Supplementary information:									
Supplement	ary infor	mation:	Mr. Mr.		الدر المد	- /it .	400		

6.2.2	.2 TABLE: Power source circuit classifications										
Location		Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class				
Input (9VD	C 3A)	SLIEN SLIEN	outet 9 utet	and 3 and	27	5S	PS2 (declare)				
Batter	У	Normal / Abnormal	3.29	2.9	9.5	3S	PS1				

Supplementary information:

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

6.2.3.1	TABLE: Determ	ination of Arcing PIS	LIF TO	in the the	N/A				
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No				
e st	TEK CIEK N	IEE MITE- WAL.	n n n	. E A	- et .et				
Supplementary information:									
24	TEN TEN JE	e alle mer m	21, 24		et et				

6.2.3.2 TABLE: Determination of resistive PIS									
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No						
All internal circuit	Mary Mary And	EX SLIEX "LIEX MITES	Yes (declared)						
0									

Supplementary information:

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.

All conductors and devices are considered as PIS.



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in my	EN I	EC 62368-1	her and
Clause Requireme	nt – Test	Result – Remark	Verdict

8.5.5	TABLE: High pr	essure lamp			N/A
Lamp manu	facturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
1. 2,	A A	TEK TEK TEK	-will mill m	. m. m.	70, - 7,
Supplement	ary information:				

9.6 TAE	BLE: Tempe	rature mea	surem	ent	s for wirel	ers	Р		
Supply voltage (V)		:	9٧	′dc	L St	Att.	16th . J	_
Max. transmit po	wer of transi	mitter (W)	:	15	W	WILL .	me m	711	_
11,010001101 01110					eiver and contact			ceiver and at ce of 5 mm	
Foreign objects	Object (°C)	Ambient (°C)	Obje (°C		Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Steel disc	25.6	25.0	33.2	2	25.0	38.4	25.0	27.3	25.0
Aluminium ring	25.4	25.0	31.0	6	25.0	35.7	25.0	28.4	25.0
Aluminium foil	25.2	25.0	30.8	3	25.0	35.1	25.0	29.3	25.0

5.4.1.4, 9.3, B.1.5, B.2.6									
Supply volta	age (V)	9Vdc (1)	5Vdc (2)	4.2Vdc (3)	NITEH AIRL	_			
Ambient ter	mperature during test T_{amb} (°C):	See below	See below	See below	TEK TEK	_			
Maximum n	neasured temperature <i>T</i> of part/at:		Τ ('	°C)		Allowed T _{max} (°C)			
C4	m m	86.6	69.5	46.2	MUT.	105			
PCB near U	11, Et outer with while was	99.6	97.0	67.4	7 0 -	105			
PCB near L	J4 and U9	80.5	72.8	56.0	2015 - 21	105			
Battery wire	EL OTTE MILL MILL MILL	40.3	37.1	33.7	16th 55	80			
Speaker wir	re the	70.1	62.7	50.8	10 -M	80			
LED wire	WITE WILL WALL WILL	49.3	45.9	43.7	Et -5Et	80			
PCB near L	ED the life of	50.7	47.1	44.0	1/4	105			
Battery bod	Netter were an an	45.9	40.5	33.5	Carlot	Ref.			
Button	at let get get mil	29.5	28.9	27.7	11, - 1	77			
Enclosure in	nside near LED	41.7	39.5	37.6	LIFE SE	80			



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Clause	Requirement – Test	Result – Remark	Verdict					

Enclosure outside near l	-ED	TER MITTE	30.3	31.1	30.8	-	77
Enclosure inside near W	ireless charg	45.7	42.2	29.9	untile-uni	80	
Enclosure outside near	38.0	36.2	27.4	J J.	- 77		
Ambient	1	25.0	25.0	25.0	The state of	mr - m	
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
E sk sk sk	t 50th 1	JEK - 1118	" Inter.	71/2	n _n	-,	, - .; +

Supplementary information:

- * Temperature limit for TS1 of accessible enclosure according to Table 38 to be measured at normal ambient temperature.
- Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 25°C.
- Note 2: The temperatures were measured under the worse case normal mode defined in clause B.2.1.
- (1) means condition 1: Battery Charging + Speaker working with 1/8 max power + LED highest brightness + Wireless charge 15W.
- (2) means condition 2: Battery Charging + Speaker working with 1/8 max power + LED highest brightness + Wireless charge 5W.
- (3) means condition 3: Dis charging + Speaker working with 1/8 max power + LED highest brightness.

B.2.5	T	ABLE: In	put test					P
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
5.0Vdc	TEX TEX	1.87	3	unci ciek vu ik vusti	on o Stek omi ek omite	FEX WALTE	SEK WALTER	Bluetooth input. Charging condition with empty battery, maximum LED brightness, wireless charger 5W, Speaker working with 1/8 Max non-clipped output power, Speaker voltage: 1.63V. Battery voltage: 3.853V, Battery current: 0.040A
5.0Vdc	unit	1.89	ek whitek	ountiek Outek v	words Aliek wi		ouni <u>r</u> sitek oun ek ounite	Bluetooth input. Charging condition with empty battery, maximum LED brightness, wireless charger 5W, Speaker working with Max non-clipped output power, Speaker voltage: 4.82V. Battery voltage: 3.654V, Battery current: 1.045A
9,0Vdc	uri est uri	1.91	TEL MITE	MULTER	MULTER V	MATER V	WILLER W	Bluetooth input. Charging condition with empty battery, maximum LED brightness, wireless charger 15W, Speaker working with 1/8 Max non-clipped output power, Speaker voltage: 1.63V. Battery voltage: 3.267V, Battery current: 0.427A



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EN IEC 62368-1											
Clause Requirement – Test		Will 1	Vice Mr. M. M.			ılt – Remark	Verdict				
ar.	1/1	. 20,			, £ ,	E 3		The Wall Wall	me m		
9.0Vdc	n LT	1.95	WWI THE M	ure <u>.</u> ur	it - ur	_out	بيو <u>ر.</u> المرتب	Bluetooth input. Ch with empty battery, brightness, wireles	, maximum LED		
LIFEK JUN		MULTER	ALTER WAY	MULL	MULL	WITEK		Speaker working w clipped output pow voltage: 4.82V. Ba	ver, Speaker ttery voltage:		

3.144V, Battery current: 0.524A 4.2Vdc 0.426 1.2 Bluetooth input. Discharging condition with fully charged battery, the LED brightness is maximum, Speaker working with 1/8 Max nonclipped output power, Speaker voltage: 1.63V. 4.2Vdc 1.540 Bluetooth input. Discharging condition with fully charged battery, the LED brightness is maximum, Speaker working with Max nonclipped output power, Speaker voltage: 4.82V.

B.3, B.4 TABLE: Abnormal operating and fault condition tests Ambient temperature T_{amb} (°C).....:

Component No.	Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation
Speaker	OL Whitek white Itek whitek Whitek wh	9VDC	1h 1mins	one - out Tex oun Tex oun Tex Tex Tex Tex	ek whitek white wh	EUT Normal. The volume of the speaker is turned to the maximum without distortion. No damage, no hazard. Button: 31.2°C Enclosure outside near LED: 39.4°C Enclosure outside near Wireless charging: 39.8°C Ambient: 25.0°C
Speaker	WALT SC WALT	9VDC	10mins		* 70.	Speaker no voice, no damage,no hazard.
B+ to P+	SC	9VDC	10mins	i. Brit.	'n- <u>'</u> 'n	Unit shut down immediately, No damage, no hazards.
U1 pin 1-8	SC	9VDC	10mins	WATER	white whi	Unit shut down immediately, No damage, no hazards.
C4	SC	9VDC	10mins	unitizik u	NITER WALTE	Unit shut down immediately, No damage, no hazards.
Wireless coil	SC	9VDC	10mins	LTEX ONL	EK WILLEY	Unit shut down immediately, No damage, no hazards.

Supplementary information:



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Ġ	CIE VINCO	Mar Air Air W	EN IEC 62368-1	TEL MITER WHITE WHITE WE	711
	Clause	Requirement – Test	Mr. M. M.	Result – Remark	Verdict

Supplementary information:

1) Supply by external DC source,

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

- 1) SC: Short-circuited; OC: open-circuited; OL: 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.

M.3	TABLE: Pr	otection circu	uits f	or batterie	es provid	ed w	ithin	the equ	ipment	W. B. W
ls it possible	to install the	battery in a re	evers	e polarity _l	oosition?.	201.	-1	1	No	_
			Cha							
Equipment S	Specification		Vo	ltage (V)					Current (A)	
		70	(9.0	(1 ^{EK} . (1)		NUTE	MALTE	3.0	r m
					Batter	y spe	cifica	tion		
		Non-rechargeable batteries				Red	hargeab	le batteries		
Manufacturer/type		Discharging			Charging				Discharging	Reverse
		current (A)			Voltage	(V)	Curi	rent (A)	current (A)	charging current (A)
Dongguan Ba Electronic Te Co., Ltd. / 18	chnology	nifet mi		WALTEK V	4.2	LTER.	WIL	1.2	1.2	NUTTE TOURS
Note: The tes	sts of M.3.2 a	re applicable o	only v	when abov	e appropr	iate c	lata is	s not ava	ilable.	
Specified ba	ttery tempera	ature (°C)		L. 1/1	-20	:		, t	0-45	,
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp.		rent 4)	Voltage (V)	Obse	ervation
Battery	U1 Pin 1-8 SC	Charge mod	de	7hours	WILLER O	NLT E	o w	TER VIN	NL, NS, NE	, NF
Battery U1 Pin 1-8 SC		Discharge mo	ode	7hours	N 0 0		NL, NS, NE		, NF	
Supplementa	ary informatio	n:							_	

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.



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Ġ	CIE VINCO	Mar Air Air W	EN IEC 62368-1	TEL MITER WHITE WHITE WE	711
	Clause	Requirement – Test	ALL ALL ALL	Result – Remark	Verdict

M.4.2	TABLE:	Charging sa	feguards for	equipment o	ont	taining a	secondary lithium	PL
Maximum s	pecified o	harging voltag	e (V)		اني.	4.2	20, 20,	_
Maximum s _l	pecified o	harging currer	nt (A)		: _z	1.2	ALTER MITER	_
Highest spe	cified cha	arging tempera	ture (°C)		110	45	7111 2111 2	
Lowest spec	cified cha	rging tempera	ture (°C)	,	-{E ¹	0 5	NITER MILITER MINI	
Battery manufacturer/type		Operating Measurement				Observation	า	
		and fault condition	Charging voltage (V)	Charging current (A)		Temp. (°C)		
Lowest spec	cified cha	rging temperat	ure:	et et		SEL S	IER CLIER WILLE W	NO.
Dongguan Baijiaying El Technology Ltd. / 18650	Co.,	Normal	4.2	on one	JUP NETÝ	O WILLE	Stop charging.	iek m
Dongguan Baijiaying El Technology Ltd. / 18650	Co.,	Single fault – (U1 Pin 1- 8 SC)	4.2	0	ser L	O CO	Stop charging.	
Highest spe	cified cha	rging temperat	ure:	2,00	2.5	11 12		1EX
Dongguan Baijiaying El Technology Ltd. / 18650	Co.,	Normal	4.2	Clet O Clet	116	55	Stop charging.	EX MAI
Dongguan Baijiaying El Technology Ltd. / 18650	Co.,	Single fault – (U1 Pin 1- 8 SC)	4.2	wo o	j.t	55	Stop charging.	WALTE

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	nded for inte	erconnectio	n with build	ling wiring	(LPS)	N/A
Output Circuit	Condition	U _{oc} (V)	Time (s)	I _{sc} (A)	S (VA)	
Circuit	Condition	O ₀₀ (V)		Meas.	Limit	Meas.	Limit
WILLER WILL	min and) (F	y c+	(C) (A)	TEN THEF	uniti" un
Supplement	ary Information:						

SC = short circuit, OC = open circuit



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Clause	Requirement – Test	Result – Remark	Verdict				

T.2, T.3, T.4, T.5	TABLE: St	eady force tes	st						N/A
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)		C)bservatior	1
et - let	. J ⁽²⁾ i	TEN TIES	neil - wh	a ₁	7,	-"	الد ا	, et	LEX C
Supplement	tary informati	on:							

T.6, T.9	TABLE: Impa	ct test	MILL	Mr.	21. 10.	, , , , , , , , , , , , , , , , , , ,	<i>L</i> 3	N/A
Location/Pa	rt Material	Thickness (mm)	Height (mm)		(Observat	ion	
Life Milit	Murr - Mur	24 - 24	Ī.	# X	et tex	CLIER	MITE	مادنات ماا
Supplement	ary information	:						
WILL !	ing an	24, 24,	1 1	- LEX	SER	STEE I	Still at	in with

T.7 TA	ABLE: Drop	test		et let	LIEK N	ITEK NITE	N/A	
Location/Part	Material	Thickness (mm)	Height (mm)		Observa	ation		
$n_s = \overline{z_n}$	V A V	/ A R	OLI ET	7, 1	San.	1/1. 1/1.	7	
Supplementary information:								
- 7	at at	TEX TEX	INLIE MALT	MULL MULL	Me	711. 20		

T.8 TABLE: Stress relief test							N/A	
Location/Pa	rt Mate	Material Thickness (mm)		Oven Temperatur e (°C)	Duration (h)	Observation		
The William	1000 -	Mr	n, - 2	# 1	et - Jet	LIFEH (ALTER WALTER W	VILL WILL
Supplement	Supplementary information:							
- mu	UV. 11	6	(h) (h)	A JE	L CEX	aliek ali	ier while whi	. Wer

X TABLE: Altern	ative method for determin	ing minimum clearances	s distances N/A				
Clearance distanced between:	Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)				
<u> </u>	TEL NITER MITE	Will Mur - Mur A					
Supplementary information:							
L A A	TEK OLIFE JOLIFE JO	re mer mer me	201 21.				



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1	in min	Mr. Mr. M.	EN IEC 62368-1	LIET WILLER WALLER	With Marie Marie
	Clause	Requirement – Test	Write Mar. Mr. M.	Result – Remark	Verdict

4.1.2 Object / part No.	TABLE: Critical components information				P-
	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Plastic enclosure	LG Chem Huizhou Petrochemical Co Ltd	HP181	HB, 75°C, Min. thickness 1.5mm	UL 94	UL E476284
PCB	Various	Various	V-0, 130°C	UL 94, UL 796	UL TITE
Internal wire	Various	Various	Min. 30V, Min. 80°C, Min. 26AWG, VW-1	UL 758	UL
Li-ion Battery	Dongguan Baijiaying Electronic Technology Co., Ltd.	18650	1200mAh, 3.7V	IEC 62133- 2:2017+A1:202 1	Report No.: CN24GWC6 001
Speaker	Various	Various	4ohm, 5W	1	- 1 2

Supplementary information:

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



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Figure 1 Overall view



Figure 2 Overall view



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Figure 3 Overall view



Figure 4 Overall view



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Photo Documentation

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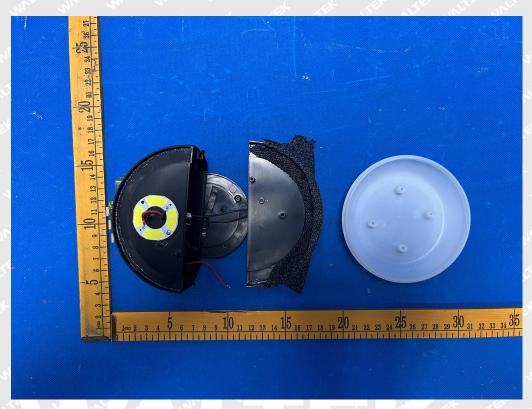


Figure 5 Internal view

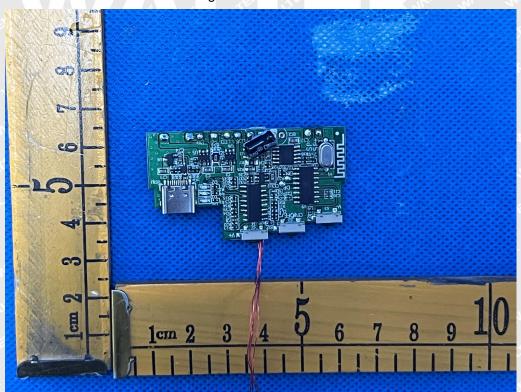


Figure 6 PCB view



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Photo Documentation

Reference No.: WTF25D04087099Y

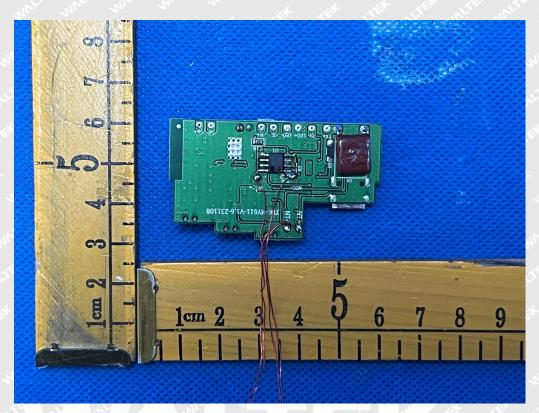


Figure 7 PCB view

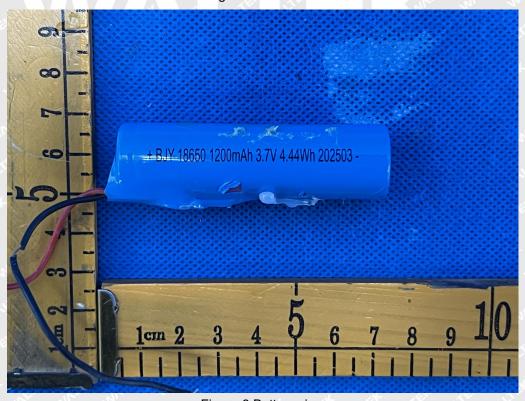


Figure 8 Battery view

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

Waltek Testing Group Co., Ltd. http://www.waltek.com.cn