



TEST REPORT

Reference No.....: WTF24D07164538Y

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

Hong Kong

Manufacturer..... : 116266

Address.....: --

Product.....: Speaker with bamboo front

Model(s)..... : MO9806

Total pages.....: 67 pages and 5 pages of photo.

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample....: 2024-07-15

Date of Test.....: 2024-07-17 to 2024-07-26

Date of Issue..... 2024-07-30

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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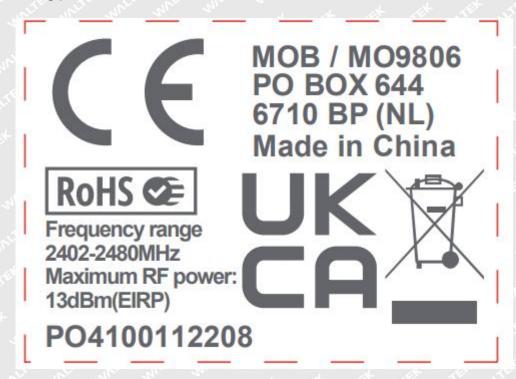
Test item description	Speaker with	bamboo front
Trademark:	МОВ	
Model and/or type reference:	MO9806	
Rating(s):	Input: 5VDC, Battery: 3.7V	3W /, 500mAh, 1.85Wh
Remark:		
Whether parts of tests for the product h	ave been sub	contracted to other labs:
☐ Yes ⊠ No		
If Yes, list the related test items and lab	information:	
Test items: Lab information:		
Summary of testing:	WILLER AND	The sale sale sale sale sale sale sale sal
Tests performed (name of test and to	not oloupo):	Testing location:
- EN IEC 62368-1: 2020+A11: 2020	ssi Clause).	No. 77, Houjie Section, Guantai Road,
The submitted samples were found to d	comply with	Houjie Town, Dongguan City, Guangdong, China
the requirements of above specification		her me my my my to the
Summary of compliance with Nation EU Group Differences		tek writek whitek whitek whitek whitek w
Use of uncertainty of measurement f	for decisions	on conformity (decision rule) :
applicable limit according to the spec	cification in the	rd, when comparing the measurement result with the at standard. The decisions on conformity are made mple acceptance" decision rule, previously known as
☐ Other: (to be specified, for examp requirements apply)	le when requir	red by the standard or client, or if national accreditation
	calculated by	the laboratory based on application of criteria given by nethods, decision sheets and operational procedures of
IEC Guide 115 provides guidance on the decision rule when reporting tes	st results with	n of measurement uncertainty principles and applying in IECEE scheme, noting that the reporting of the test standard or
Calculations leading to the reported va	alues are on fi	le with the NCB and testing laboratory that conducted

the testing.





Copy of marking plate:



Remark:

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



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TEST ITEM PARTICULARS:	With any and any and the
Product group	
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	 □ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ⋈ other: not Mains connected
Considered current rating of protective device as part of building or equipment installation:	☐ UK: 13 A; Others: 16 A;Location: ☐ building ☐ equipment☒ N/A
Equipment mobility:	 ☐ movable ☐ hand-held ☐ transportable ☐ direct plug-in ☐ stationary ☐ for building-in ☐ wall/ceiling-mounted ☐ SRME/rack-mounted ☐ other:
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC III □ OVC IV ⋈ other: not Mains connected
Class of equipment:	☐ Class I ☐ Class II ☐ Class III ☐ Not classified ☐
Access location:	N/A ☐ restricted access area☐ outdoor location ☐
Pollution degree (PD):	□ PD 1⊠ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	25°C Outdoor: minimum°C
IP protection class:	☑ IPX0 □ IP
Power Systems:	☐ TN ☐ TT ☐ ITV L-L ☐ not AC mains
Altitude during operation (m):	⊠ 2000 m or less □m
Altitude of test laboratory (m):	⊠ 2000 m or less □ m
Mass of equipment (kg)	□ Approx. 0.089kg



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POSSIBLE TEST CASE VERDICTS:	white the the the the
- 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 said to the life of
Date of receipt of test item	: See cover page.
Date (s) of performance of tests	: See cover page.
GENERAL REMARKS:	LIES SLIES WILL WILL WILL WILL WILL
"(see appended table)" refers to a table appended to Throughout this report a ☐ comma / ☒ point is GENERAL PRODUCT INFORMATION:	
Product Description 1. The equipment with model MO9806 is Speaker wideled to LPS or the maximum operating temperature is 25°C.	
Model Differences	Will Mult And And And And And
N/A	
Additional application considerations – (Considerations – (Considerations – N/A	erations used to test a component or sub-



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



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ENERGY SOURCE DIAGRAM				
ndicate which energy sources are included in the energy source diagram. Insert diagram below				
I I I THE THE LITER WITH WIND WITH WITH THE THE INTERPRETATION OF THE PARTY OF THE				
☐ ES ☐ PS ☐ MS ☐ TS ☐ RS				
See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS				



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Unite Maria	Mr. Mer Mer .	EN IEC 62368-	Lifet white white	MULTE MAIL MILL
Clause	Requirement – Test	is the man	Result – Remark	Verdict

	Tr. Mr. Mr. M. M. M.		The state of the s
4	GENERAL REQUIREMENTS		P
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	P
4.1.2	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	one Por
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	Р
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	N/A
4.4.3.1	General	A Sulver Ann	N/A
4.4.3.2	Steady force tests	THE THE STATE OF	N/A
4.4.3.3	Drop tests	L. Mr. M. M.	N/A
4.4.3.4	Impact tests	14 ITER STEET MITER SON	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
in and	Glass impact test (1J)	LIER WITE WHILE WHILE	N/A
et let	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	LEK WILL MILL MILL AN	N/A
4.4.3.9	Air comprising a safeguard	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	INLIE WHIT WHI WALL WALL	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	ALTER MALTE MALL WALL V	L P
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	TEK PIT
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	Р



N/A

Ρ

N/A

N/A

N/A

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20N force test with test hook

Component requirements

Disconnect Device

Switches and relays

EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
311	THE THE STATE OF	ite with with which will	10 100	
	No harm by explosion during single fault conditions	(See Clause B.4)	P	
4.6	Fixing of conductors	See below	N/A	
LITE WILL	Fix conductors not to defeat a safeguard	itely litely writer writer	N/A	
A 13	Compliance is checked by test	the the the the	N/A	
4.7	Equipment for direct insertion into mains sock	et-outlets	N/A	
4.7.2	Mains plug part complies with relevant standard	Not direct plug-in equipment.	N/A	
4.7.3	Torque (Nm)	et outer antier while whi	N/A	
4.8	Equipment containing coin/button cell batteries	S THE REAL PROPERTY.	N/A	
4.8.1	General	No coin/button cell batteries used.	N/A	
4.8.2	Instructional safeguard	THE LITER NITER WAITER	N/A	
4.8.3	Battery compartment door/cover construction	1 24 1 1	N/A	
MALL	Open torque test	EX NITER WITE WITE W	N/A	
4.8.4.2	Stress relief test	The state of	N/A	
4.8.4.3	Battery replacement test	aliter with wall was	N/A	
4.8.4.4	Drop test		N/A	
4.8.4.5	Impact test	White white	N/A	
4.8.4.6	Crush test		N/A	
4.8.5	Compliance	The Will Aut Aut !	N/A	
t TEX	30N force test with test probe	and the set	N/A	

5	ELECTRICALLY-CAUSED INJURY		Р
5.2	Classification and limits of electrical energy s	ources	Р
5.2.2	ES1, ES2 and ES3 limits	the met me me	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	Р
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A
5.2.2.7	Audio signals	L. 1/1. 1/1.	P
5.3	Protection against electrical energy sources	EK ITEK SITEK KLIEF MIL	NP

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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	EN IEC 62368-	2, 40, 72, 2	
Clause	Requirement – Test	Result – Remark	Verdict
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	THE THE TEXT OF	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	my me my m	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	NITER WAITER WHITE WAITER	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	ES1 circuit and the enclosure (safeguard) are accessed to person.	P
WILL THE	Accessibility to outdoor equipment bare parts	t liet wife wife wh	N/A
5.3.2.2	Contact requirements	M. M. M.	N/A
iner who	Test with test probe from Annex V	alter while while while	
5.3.2.2 a)	Air gap – electric strength test potential (V)	n to the	N/A
5.3.2.2 b)	Air gap – distance (mm)	LIET WILL WILL WILL.	N/A
5.3.2.3	Compliance	s at at at	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	at at at a	P
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	at the state	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	Р
5.4.1.5	Pollution degrees	ITE WALTE WALL WALL V	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	* NIFER WIFER WINTER WIN	N/A
5.4.1.5.3	Thermal cycling test	The state of	N/A
5.4.1.6	Insulation in transformers with varying dimensions	CLIEB WITE WALL WALL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	and the set set	N/A
5.4.1.8	Determination of working voltage	rite unit unit unit	N/A
5.4.1.9	Insulating surfaces	a state of	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	MULL MULL MILL M	N/A
5.4.1.10.2	Vicat test	CHIEF WITE WALTE WAL	N/A
5.4.1.10.3	Ball pressure test		N/A
5.4.2	Clearances	WITE MUTTE WHIT WHIT	N/A
5.4.2.1	General requirements	L St. St. St.	N/A
k resk	Clearances in circuits connected to AC Mains, Alternative method	The mark mark white	N/A
5.4.2.2	Procedure 1 for determining clearance	EX WILL WILL MILL MI	N/A
At .	Temporary overvoltage	in the state of	i —
5.4.2.3	Procedure 2 for determining clearance	alter outer and would	N/A



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Clause	EN IEC 62368-	70, 70, 70	Verdict
Clause	Requirement – Test	Result – Remark	verdict
5.4.2.3.2.2	a.c. mains transient voltage	Mr. Mr. Mr.	
5.4.2.3.2.3	d.c. mains transient voltage	TEX STEX WITE	antie _
5.4.2.3.2.4	External circuit transient voltage	The All In	
5.4.2.3.2.5	Transient voltage determined by measurement	SLIFE WITH WITH	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	TEX STEX STEET SIN	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	t ifet sifet sife	N/A
5.4.2.6	Clearance measurement	2/10 2/11 2/11	N/A
5.4.3	Creepage distances	LIEF NIEF WIFE	N/A
5.4.3.1	General	111. 211. 22.	N/A
5.4.3.3	Material group	LIER OLIER WILES	v
5.4.3.4	Creepage distances measurement		N/A
5.4.4	Solid insulation	EL WILL MULLE MULL	N/A
5.4.4.1	General requirements		N/A
5.4.4.2	Minimum distance through insulation	WILL WALL WALL	N/A
5.4.4.3	Insulating compound forming solid insulation	The state of the s	N/A
5.4.4.4	Solid insulation in semiconductor devices	a mr.	N/A
5.4.4.5	Insulating compound forming cemented joints		N/A
5.4.4.6	Thin sheet material	in mer mer m	N/A
5.4.4.6.1	General requirements	et tet tet at	N/A
5.4.4.6.2	Separable thin sheet material	Mr. Mr. M.	N/A
unite un	Number of layers (pcs)	TEK LIEK NITER	N/A
5.4.4.6.3	Non-separable thin sheet material	me in in	N/A
The Will	Number of layers (pcs)	STEK STEK STEK ST	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material		N/A
5.4.4.6.5	Mandrel test	, mr m m	N/A
5.4.4.7	Solid insulation in wound components	- TEX JEX JE	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	THE THE THE	N/A
EF	Alternative by electric strength test, tested voltage (V), K _R	mer mer me	N/A
5.4.5	Antenna terminal insulation	LIET NALTE WALL WE	N/A
5.4.5.1	General	i a at at	+ N/A
5.4.5.2	Voltage surge test	WALL MALL WALL	N/A
5.4.5.3	Insulation resistance (MΩ)	L A A	N/A



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<u> </u>	EN IEC 62368-	2 71, 72, 2	1,4 ,1,4
Clause	Requirement – Test	Result – Remark	Verdict
[A	Electric strength test	The August August	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	White White Mile W	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NUTER WHITE WHITE WHITE	N/A
5.4.8	Humidity conditioning	at let let let	N/A
- TEX	Relative humidity (%), temperature (°C), duration (h)	Maria Maria Maria	
5.4.9	Electric strength test	INCIE WILL MILL A	N/A
5.4.9.1	Test procedure for type test of solid insulation	at at att	N/A
5.4.9.2	Test procedure for routine test	WILL MUTTE MUTE MICE	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIER WILER WILER WALLE	N/A
5.4.10.1	Parts and circuits separated from external circuits	e at at	N/A
5.4.10.2	Test methods	ET WILL MULT WILL	N/A
5.4.10.2.1	General	A ST ST	N/A
5.4.10.2.2	Impulse test	WILL MULL MULL AND	N/A
5.4.10.2.3	Steady-state test	At THE S	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	A large ray	N/A
5.4.11	Separation between external circuits and earth	TE WITE WILL WILL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	* THE DITES MITTER	N/A
5.4.11.2	Requirements	Sh Th	N/A
mr. m	SPDs bridge separation between external circuit and earth	white white white wh	N/A
LIE MILT	Rated operating voltage U _{op} (V)	TEX TEX NUTER INTE	_
st st	Nominal voltage U _{peak} (V)	The same of the sa	_
Mer	Max increase due to variation ΔU _{sp}	IEL NITER WITE WHITE	_ n_
, lik	Max increase due to ageing ΔU _{sa}	74 2	_
5.4.11.3	Test method and compliance	nite with white	N/A
5.4.12	Insulating liquid	**	N/A
5.4.12.1	General requirements	MULLE MULL MULL AND	N/A
5.4.12.2	Electric strength of an insulating liquid	A St St St	N/A
5.4.12.3	Compatibility of an insulating liquid	The Mary Mary Mary	N/A
5.4.12.4	Container for insulating liquid	at left left left	N/A
5.5	Components as safeguards	Aur Aur Au	N/A
5.5.1	General	No such components as safeguards.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Ciause	Treduitettiett – Test	Nesult - Nemark	veruict
5.5.2	Capacitors and RC units	The Mr. on	N/A
5.5.2.1	General requirement	THE STILL STILL	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector		N/A
5.5.3	Transformers	They are the top	N/A
5.5.4	Optocouplers	CER STEP STEP INT	N/A
5.5.5	Relays	, w, h, h,	N/A
5.5.6	Resistors	CIEK NITER INLIER	N/A
5.5.7	SPDs (1)	71/2 21/2 X	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	MULTER WHITE WHITE O	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	LIER WHITER WHITER WH	N/A
it willer	RCD rated residual operating current (mA)	et let let life	,
5.6	Protective conductor	Mus Mr. M.	N/A
5.6.2	Requirement for protective conductors	t get get greet	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	ALT STEEL	N/A
5.6.3	Requirement for protective earthing conductors		N/A
in Milli	Protective earthing conductor size (mm²)	The ALTH WITH WALL	· 4 -
* INITEX	Protective earthing conductor serving as a reinforced safeguard	t Tet Tet Wiles	N/A
LIEK	Protective earthing conductor serving as a double safeguard	The the text	N/A
5.6.4	Requirements for protective bonding conductors	White Albert Albert	N/A
5.6.4.1	Protective bonding conductors	et let jet i	N/A
	Protective bonding conductor size (mm²)	With My My My	_
5.6.4.2	Protective current rating (A)	Et JEK JEK STEK	N/A
5.6.5	Terminals for protective conductors	21/2 21/2 21/2	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	WALLER WHITER WHITER	N/A
INLITER OUT	Terminal size for connecting protective bonding conductors (mm)	MALTER MALTER WALTER	N/A
5.6.5.2	Corrosion	the set of	N/A
5.6.6	Resistance of the protective bonding system	LIE WALL MAL WA	N/A
5.6.6.1	Requirements	the state of	N/A
5.6.6.2	Test Method	MULL MULL MULL	N/A
5.6.6.3	Resistance (Ω) or voltage drop	at at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
5.6.7	Reliable connection of a protective earthing conductor	THE TEXT STEEL SEE	N/A	
5.6.8	Functional earthing	me me m	N/A	
Liet and	Conductor size (mm²)	THE THE WIFE WITE	N/A	
.L /	Class II with functional earthing marking	regional and any	N/A	
WILL	Appliance inlet cl &cr (mm)	THE LITTLE STITLE STATES OF	N/A	
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A	
5.7.2	Measuring devices and networks	EX SLIER WILL MULTER MA	N/A	
5.7.2.1	Measurement of touch current	The second second	N/A	
5.7.2.2	Measurement of voltage	CLIER WITE WILL MILL	N/A	
5.7.3	Equipment set-up, supply connections and earth connections	THE SLIEK SLIEK MITER	N/A	
5.7.4	Unearthed accessible parts	2 14 20	N/A	
5.7.5	Earthed accessible conductive parts	EX SITEX MITE MITE W	N/A	
5.7.6	Requirements when touch current exceeds ES2 limits	Tet itet sitet mi	N/A	
	Protective conductor current (mA)	Mr. An. An.	N/A	
WILL WY	Instructional Safeguard	AL NITE MITTE	N/A	
5.7.7	Prospective touch voltage and touch current associated with external circuits		N/A	
5.7.7.1	Touch current from coaxial cables	ry mer me m	N/A	
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	A MILIER WHITER WHITER WA	N/A	
5.7.8	Summation of touch currents from external circuits	THE MITEL WHITE WALT	N/A	
LIFEX MILL	a) Equipment connected to earthed external circuits, current (mA)	TEX LIFE OUTER OUTER	N/A	
EK OLIEN	b) Equipment connected to unearthed external circuits, current (mA)	at the lat lift	N/A	
5.8	Backfeed safeguard in battery backed up supplies		N/A	
NUTER	Mains terminal ES	No such parts	N/A	
4	Air gap (mm)	The Mr. Mr. Ly	N/A	

6	ELECTRICALLY- CAUSED FIRE		Р
6.2	Classification of PS and PIS	at let let little	THE P LITT
6.2.2	Power source circuit classifications	PS (power source) classification determined by measuring the maximum power in Figures 34 and 35 for load and power source circuits. (See appended table 6.2.2)	P ARK WINLIEK



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Clause	Requirement – Test	Result – Remark	Verdict
6.2.3	Classification of potential ignition sources	See the following details.	Р
6.2.3.1	Arcing PIS	No Arcing PIS exist in the equipment	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	N/A
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	LIEK 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	No ignition and no such temperature attained within the equipment. (See appended table B.1.5 & B.3)	P EF WINTE
in. In.	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condition	tions	Р
6.4.1	Safeguard method	Control fire spread	Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	LIEK BLIEK MLIEK MAL	N/A
6.4.3.1	Supplementary safeguards	All In the state of the state o	N/A
6.4.3.2	Single Fault Conditions	- CF MILL MALIE	N/A
at all	Special conditions for temperature limited by fuse	- 1 L 1/2	N/A
6.4.4	Control of fire spread in PS1 circuits	LIE WILL WALL WALL O	Р
6.4.5	Control of fire spread in PS2 circuits	the state of	N/A
6.4.5.2	Supplementary safeguards	White white whi wh	N/A
6.4.6	Control of fire spread in PS3 circuits	the first the state	N/A
6.4.7	Separation of combustible materials from a PIS	WILL MULL MULL MULL	N/A
6.4.7.2	Separation by distance	at at get get	N/A
6.4.7.3	Separation by a fire barrier	No fire barrier used.	N/A
6.4.8	Fire enclosures and fire barriers	See below.	P
6.4.8.2	Fire enclosure and fire barrier material properties	V-0 plastic enclosure used	Р
6.4.8.2.1	Requirements for a fire barrier	No fire barrier used.	N/A
6.4.8.2.2	Requirements for a fire enclosure	V-0 plastic enclosure used	Р
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	See below	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A
6.4.8.3.2	Fire barrier dimensions	No specific barrier provided.	N/A
6.4.8.3.3	Top openings and properties	No top opening	N/A
7-	Openings dimensions (mm)	Mr. Mr. M. M.	N/A
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A



N/A

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Clause	Requirement – Test	Result – Remark	Verdict
ah.		the true to the the	NI/A
- Jell	Openings dimensions (mm)		N/A
1112 111	Flammability tests for the bottom of a fire enclosure	MUTTE MUTE AND MUTE	N/A
The Mari	Instructional Safeguard	TEX LIER WIFE WITE	N/A
6.4.8.3.5	Side openings and properties	No side openings	N/A
White the same of	Openings dimensions (mm)	TEX SITER WITER WAITER O	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	No enclosure can be opened by an ordinary person	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	Only PS1 circuit.	P
6.4.9	Flammability of insulating liquid	write mit me me	N/A
6.5	Internal and external wiring	at let let let	P
6.5.1	General requirements	Approved internal lead wire used, see appended table 4.1.2 for the details	P
6.5.2	Requirements for interconnection to building wiring	Tet Tet Lifet all	N/A
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A
6.6	Safeguards against fire due to the connection to additional equipment		Р
		1 1/1 1/2	
7	INJURY CAUSED BY HAZARDOUS SUBSTANCES		Р
7.2	Reduction of exposure to hazardous substances		N/A
7.3	Ozone exposure	EX TEX SER STEE	N/A
7.4	Use of personal safeguards or personal protect	tive equipment (PPE)	N/A
التي ^{ستار} ان	Personal safeguards and instructions	THE LIER NUTER AND	1 –
7.5	Use of instructional safeguards and instruction	s	N/A
rie Meri	Instructional safeguard (ISO 7010)	ITER WITER WITER WHITE	_
7.6	Batteries and their protection circuits		P P
•	The state of the state of		n ar
8	MECHANICALLY-CAUSED INJURY		Р
8.2	Mechanical energy source classifications	Marie Will White Whi	P
8.3	Safeguards against mechanical energy sources		P
8.4	Safeguards against parts with sharp edges and	corners	P
8.4.1	Safeguards		P
* 14 C*	Instructional Safeguard:	MS1: Edges and corners of enclosure	P
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	Р
			_

8.5

Safeguards against moving parts



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Clause	Requirement – Test	Result – Remark	Verdict	
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A	
STEP SIT	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A	
20	Moving MS3 parts only accessible to skilled person	uri auri aur au	N/A	
8.5.2	Instructional safeguard	at let let little	N/A	
8.5.4	Special categories of equipment containing moving parts	The Mark And	N/A	
8.5.4.1	General	MUTTE MUTT MUTE MUTE	N/A	
8.5.4.2	Equipment containing work cells with MS3 parts	at at the sta	N/A	
8.5.4.2.1	Protection of persons in the work cell	antic and any	N/A	
8.5.4.2.2	Access protection override	CH TEN TEN STER	N/A	
8.5.4.2.2.1	Override system	in my my	N/A	
8.5.4.2.2.2	Visual indicator	EX JEX WIEX WILES AN	N/A	
8.5.4.2.3	Emergency stop system	m. m. m.	N/A	
Mr. I.	Maximum stopping distance from the point of activation (m)	White White White White	N/A	
NITER WINLE	Space between end point and nearest fixed mechanical part (mm)	Juniter White	N/A	
8.5.4.2.4	Endurance requirements	The state	N/A	
t Test	Mechanical system subjected to 100 000 cycles of operation	in the the	N/A	
24/2 1	- Mechanical function check and visual inspection	antic mail mai wa	N/A	
LIEK N	- Cable assembly	it it let ill	N/A	
8.5.4.3	Equipment having electromechanical device for destruction of media	MULL MULL MULL MINE	N/A	
8.5.4.3.1	Equipment safeguards	LITER INCIDE WALL WALL	N/A	
8.5.4.3.2	Instructional safeguards against moving parts:	at the left test	N/A	
8.5.4.3.3	Disconnection from the supply	in we we we	N/A	
8.5.4.3.4	Cut type and test force (N):	- et set set s	N/A	
8.5.4.3.5	Compliance	min my my m	N/A	
8.5.5	High pressure lamps	No high pressure lamps used.	N/A	
	Explosion test:	me me m	N/A	
8.5.5.3	Glass particles dimensions (mm):	TEX LIEX SLIES SPLIES	N/A	
8.6	Stability of equipment	- M. M. M.	N/A	
8.6.1	General	MS1: Mass of the unit	N/A	
Et.	Instructional safeguard:	m m	N/A	
8.6.2	Static stability	life alife with with	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict
1/1/2	Will him him he was a superior	Et JULY CULTURALITY	Villa Pilla
8.6.2.2	Static stability test	201 201	N/A
8.6.2.3	Downward force test	ALTER MITE WALLE WAL	N/A
8.6.3	Relocation stability	The state of the	N/A
er 200	Wheels diameter (mm)	plies white white whi	_
EX JE	Tilt test	at at at the	N/A
8.6.4	Glass slide test	in min min men.	N/A
8.6.5	Horizontal force test	t fet fet fet	N/A
8.7	Equipment mounted to wall, ceiling or other stru	ucture	N/A
8.7.1	Mount means type	No wall or ceiling	N/A
8.7.2	Test methods	Mr. Mr. M. M.	N/A
Life MALT	Test 1, additional downwards force (N):	TEK STEK WITER WITER	N/A
ek mitek	Test 2, number of attachment points and test force (N)	at att att att	N/A
July July	Test 3 Nominal diameter (mm) and applied torque (Nm)	un un un	N/A
8.8	Handles strength	WILL MULL MULL MU	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	The sur sur	N/A
SER OLIV	Number of handles:	THE LIEF	_
20	Force applied (N)	in my my m	×
8.9	Wheels or casters attachment requirements	EX TEX TEX STEED	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	TEX STEEL STEEL SING	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions:	er me me m	N/A
8.10.3	Cart, stand or carrier loading test	Et TEX TEX WITE	N/A
, t	Loading force applied (N)	11. 11. 11.	N/A
8.10.4	Cart, stand or carrier impact test	- LIEX WITEK WITEK	N/A
8.10.5	Mechanical stability	20, 20, 20	N/A
iver an	Force applied (N):	CALIFER WALTER WALTE WALTE	MULL
8.10.6	Thermoplastic temperature stability		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	anti mer mer a	N/A
A EX	Instructional Safeguard:	4 4 4	N/A



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Clause	Requirement – Test	Result – Remark	Verdict		
an.	Mr. Mr. J.	THE WALL WALL WITH	me me		
8.11.3	Mechanical strength test	70° 7°	N/A		
8.11.3.1	Downward force test, force (N) applied:	OLITER WILLES WALTE	N/A		
8.11.3.2	Lateral push force test	The state of	N/A		
8.11.3.3	Integrity of slide rail end stops	OLITER WALTER WALTER	N/A		
8.11.4	Compliance	, , , , , , , , , , , , , , , , , , ,	N/A		
8.12	Telescoping or rod antennas	LIE WALL WALL WAS	N/A		
- JEN	Button/ball diameter (mm)	No such parts	- <u>-</u>		

9	THERMAL BURN INJURY		P
9.2	Thermal energy source classifications	WITE WALL WALL WALL	AL P A
9.3	Touch temperature limits	a at at all	ge [†] P g
9.3.1	Touch temperatures of accessible parts:	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	P
9.3.2	Test method and compliance	See B.1.6 & B.2.3	Р
9.4	Safeguards against thermal energy sources		+ Pot
9.5	Requirements for safeguards	CHIEF WITE WALL WALL	WP -
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	WALTER WALT
9.5.2	Instructional safeguard:	Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitters	Mr. Mr. Mr. M.	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	The ship in	N/A
9.6.3	Test method and compliance:	THE THE STIEF WITE	N/A

10	RADIATION		TEL PALTE
10.2	Radiation energy source classification	you my my	Р
10.2.1	General classification	See below	P
, t	Lasers	The The The The	_
METER ST	Lamps and lamp systems	RS1: LED only for indicating use which is considered as low power application.	_
11/2	Image projectors	THE MULL MAIN MAN A	_
JE STER	X-Ray	at at let let is	
20,	Personal music player	mi m m m	_
10.3	Safeguards against laser radiation	- at alt the the	N/A



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The Mary	Mir Mar Aller M.	EN IEC 62368-1	The Marie William
Clause	Requirement – Test	Result – Remark	Verdict

	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamps (including LED types)	s and lamp systems	P
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	P
'm'	Instructional safeguard provided for accessible radiation level needs to exceed	TEL WALLE WALL WALL W	N/A
antin 4	Risk group marking and location:	t rifet wifet write whi	N/A
J.	Information for safe operation and installation	70	N/A
10.4.2	Requirements for enclosures	alter outer andie wall	N/A
A A	UV radiation exposure:	an an at the	N/A
10.4.3	Instructional safeguard:	LIEF WILL WHILE WHILE	N/A
10.5	Safeguards against X-radiation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
10.5.1	Requirements	No X-radiation	N/A
TEX	Instructional safeguard for skilled persons:	A A A A S	_
10.5.3	Maximum radiation (pA/kg):	White Murit Mury and	_
10.6	Safeguards against acoustic energy sources	at the state	N/A
10.6.1	General	2 21 211	N/A
10.6.2	Classification	The Little	N/A
	Acoustic output L _{Aeq,T} , dB(A):	y my my my	N/A
MALTE	Unweighted RMS output voltage (mV):	No such electrical output socket	N/A
ALTER OF	Digital output signal (dBFS)	et let let lite	N/A
10.6.3	Requirements for dose-based systems	anti me me m	N/A
10.6.3.1	General requirements	LET LET LIET SLIFET	N/A
10.6.3.2	Dose-based warning and automatic decrease	in my my mi	N/A
10.6.3.3	Exposure-based warning and requirements	ER TEX TEX STEEL OF	N/A
	30 s integrated exposure level (MEL30)	241 241 241	N/A
White is	Warning for MEL ≥ 100 dB(A)	- LIEK NITER NITER MALI	N/A
10.6.4	Measurement methods	Mr. Mr. 20, 2	N/A
10.6.5	Protection of persons	alier outer while while	N/A
St S	Instructional safeguards:	M. M. St.	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	Life White White White	N/A
10.6.6.1	Corded listening devices with analogue input	et lift aliet outer an	N/A
*	Listening device input voltage (mV):	11. 21. 21.	N/A
10.6.6.2	Corded listening devices with digital input	All THE LIFE RAIL	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
- CA	Max. acoustic output L _{Aeq,T} , dB(A)	the many and all all	N/A
10.6.6.3	Cordless listening devices	ALTER MITE WALTE WAL	N/A
at a	Max. acoustic output L _{Aeq,T} , dB(A)	Shi to the shift	N/A

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		TEX P
B.1	General	is the the the	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	Mer Mr. M. M.	Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	W. P
LIEK WAL	Audio Amplifiers and equipment with audio amplifiers	LIER WILLER WATER WATER	LITE P
B.2.3	Supply voltage and tolerances	Rated input 5Vdc	P.
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	A A A A	Р
B.3.1	General	(See appended table B.3)	P. P.
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
4,	Instructional safeguard	- 1 mr m	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3)	Р
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	P
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	NLTEIP.
B.4	Simulated single fault conditions	WE AVE AVE AND	Р
B.4.1	General	Et TEX STEX STEEL OF	P
B.4.2	Temperature controlling device	NTC used on battery protective board. The test is carried out for three times, no failure. See appended table B.4 for details	Y P WALTE
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	III P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	P
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
- w	The transfer of the transfer o	EL WILL MILL MILL W	7/1/2
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	F PEN
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	Р
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A
B.4.8	Compliance during and after single fault conditions	No change to circuits classified in 5.3	P
B.4.9	Battery charging and discharging under single fault conditions	See annex M	л Р
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	. Jet Jet Jet at	N/A
C.2	UV light conditioning test	MULT AUG AU	N/A
C.2.1	Test apparatus	Life Mitter	N/A
C.2.2	Mounting of test samples	2 24 24	N/A
C.2.3	Carbon-arc light-exposure test	THE CITY OF THE PARTY OF THE PA	N/A
C.2.4	Xenon-arc light-exposure test	Mr. Mr. M.	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	The The	N/A
D.2	Antenna interface test generator	alies while while	N/A
D.3	Electronic pulse generator	The street of the	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	Mr. Pa
E.1	Electrical energy source classification for audi	o signals	P.
21/5	Maximum non-clipped output power (W):	(See appended table B.2.5)	
TEK	Rated load impedance (Ω):	(See appended table 4.1.2)	s —
211 1	Open-circuit output voltage (V)	(See appended table B.2.5)	_
NITEH OF	Instructional safeguard	Provided in the manual	_
E.2	Audio amplifier normal operating conditions	MUT. MUT. MIT. MILL	Р
TER WIT	Audio signal source type	(See appended table B.2.5)	_
ı st	Audio output power (W):	(See appended table B.2.5)	_
MALIE	Audio output voltage (V):	(See appended table B.2.5)	-
1	Rated load impedance (Ω):	(See appended table 4.1.2)	



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Clause	Requirement – Test	Result – Remark	Verdict
MLTEK N	Requirements for temperature measurement	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	P
E.3	Audio amplifier abnormal operating conditions	(See appended table B.3)	Р
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	un P
F.1	General	it lit lit lit.	CIET PA
-20.	Language:	English	_
F.2	Letter symbols and graphical symbols	et tet tell stell site se	P
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	PK
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.	INLIE!P
F.3	Equipment markings	TER WITE WALLE WALL ON	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	* PE
F.3.2	Equipment identification markings	See below for details.	n P
F.3.2.1	Manufacturer identification	See copy of marking plate	LIE P
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	See below for details.	P
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vdc	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	P
F.3.3.3	Nature of the supply voltage:	mr. m. m. m.	N/A
F.3.3.4	Rated voltage:	TEN LIER NITER MITE	N/A
F.3.3.5	Rated frequency:	the many many	N/A
F.3.3.6	Rated current or rated power:	THE STEE NITER WITE W	N/A
F.3.3.7	Equipment with multiple supply connections	Single supply connection.	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	The state of	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	white white white white	N/A
F.3.5.2	Switch position identification marking:	TEX STEX WITH WITH	N/A
F.3.5.3	Replacement fuse identification and rating markings	et let let let let	N/A
20.	Instructional safeguards for neutral fuse:	and the my m	N/A
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	ALTER MITE WALL WALL	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	W. M. M. M.	N/A
F.3.6.1.1	Protective earthing conductor terminal	TEX SITEX OUTER WAITER W	N/A
F.3.6.1.2	Protective bonding conductor terminals	24. 14.	N/A
F.3.6.2	Equipment class marking:	t alter miter mile mi	N/A
F.3.6.3	Functional earthing terminal marking:	The state of	N/A
F.3.7	Equipment IP rating marking	This equipment is classified as IPX0.	"IN"
F.3.8	External power supply output marking:	TER STEEL STEEL SOUTH	N/A
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	JEK P
F.3.10	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec, with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible.	PE JANLER JANLER
F.4	Instructions	me me me	Р
They Muri	a) Information prior to installation and initial use	See user manual	Р
Et SEX	b) Equipment for use in locations where children not likely to be present	t at at all	N/A
701	c) Instructions for installation and interconnection	it must have an	N/A
MALTER	d) Equipment intended for use only in restricted access area	· Stiek Mitek whitek whit	N/A
Alt .	e) Equipment intended to be fastened in place	and the set set	N/A
We all	f) Instructions for audio equipment terminals	WILL MULL MULL MULL	N/A
TEX SE	g) Protective earthing used as a safeguard	a at at at	N/A
4 76x	h) Protective conductor current exceeding ES2 limits	The world will will a	N/A
WILL.	i) Graphic symbols used on equipment	ex niter write anite wr	N/A
CLER II	j) Permanently connected equipment not provided with all-pole mains switch	at at all a	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
NITE A	k) Replaceable components or modules providing safeguard function	Tet Tet Tet	N/A	
32	Equipment containing insulating liquid	The Me Me.	N/A	
Liter Wil	m) Installation instructions for outdoor equipment	TEX LIER NUTER IN	N/A	
F.5	Instructional safeguards	me me me	N/A	
G	COMPONENTS		N/A	
G.1	Switches	- 14 10 1	N/A	
G.1.1	General	No switch used	N/A	
G.1.2	Ratings, endurance, spacing, maximum load	7/1 27	N/A	
G.1.3	Test method and compliance	ALTER WALTER MALTER AND	N/A	
G.2	Relays		N/A	
G.2.1	Requirements	No relay used.	N/A	
G.2.2	Overload test	1 2 2 2	N/A	
G.2.3	Relay controlling connectors supplying power to other equipment	MULTER WALTE WALT	N/A	
G.2.4	Test method and compliance	ALTER MATE WALLE	N/A	
G.3	Protective devices		N/A	
G.3.1	Thermal cut-offs	No such component	N/A	
TEX WALTE	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	The still distribute	N/A	
k WITEK	Thermal cut-outs tested as part of the equipment as indicated in c)	* Tet Tet Tet	N/A	
G.3.1.2	Test method and compliance	Mr. Mr. Mr.	N/A	
G.3.2	Thermal links	No such component	N/A	
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	and the list of	N/A	
24	b) Thermal links tested as part of the equipment	WILL MUST AND MUST AND	N/A	
G.3.2.2	Test method and compliance	et let let let	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	wint with rill	N/A	
G.3.5.1	Non-resettable devices suitably rated and marking provided	mil mil mil m	N/A	
G.3.5.2	Single faults conditions	LIET WALTER WALTER WAL	N/A	
G.4	Connectors	s st at all	N/A	
G.4.1	Spacings	No such component	N/A	
G.4.2	Mains connector configuration:	1 1 1	N/A	



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
apr.	all the state of	TET WITE WILL WILL	The an
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	Test that start	N/A
G.5	Wound components	me me in	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	in many	N/A
G.5.2	Endurance test	TER STEE WITER WITE	N/A
G.5.2.1	General test requirements	20 20 3	N/A
G.5.2.2	Heat run test	A STEEL WITE WALLE	N/A
at .	Test time (days per cycle)	The state of the s	
ine in	Test temperature (°C)	WILL WILL WILL A	Ver
G.5.2.3	Wound components supplied from the mains	s at at	N/A
G.5.2.4	No insulation breakdown	PLIES WALL MARIN WAS	N/A
G.5.3	Transformers	a at at a	N/A
G.5.3.1	Compliance method	MULL MULL MULL	N/A
LIFE (Position	at the the	N/A
40 40	Method of protection	Will Mile Miles	N/A
G.5.3.2	Insulation	LET STEEL	N/A
4 2,	Protection from displacement of windings:	2 2 20 20	_
G.5.3.3	Transformer overload tests	The The Line will	N/A
G.5.3.3.1	Test conditions	Mrs. Mrs. Mrs.	N/A
G.5.3.3.2	Winding temperatures	CA LIER NITER WITE	N/A
G.5.3.3.3	Winding temperatures - alternative test method	74 74 7	N/A
G.5.3.4	Transformers using FIW	THE STEE SMITH	o N/A
G.5.3.4.1	General	Zu Zu	N/A
in any	FIW wire nominal diameter	ALTER INCIDE WALL WA	_
G.5.3.4.2	Transformers with basic insulation only		N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	it white white whi	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	WALLER WHILE WHILE	N/A
G.5.3.4.5	Thermal cycling test and compliance	TEX LIEX WITER	N/A
G.5.3.4.6	Partial discharge test	The Mr. M. M.	N/A
G.5.3.4.7	Routine test	TER STER OUTER NOT	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	CER SLIER WILLER WILLER	N/A
G.5.4.2	Motor overload test conditions	711 711	N/A
G.5.4.3	Running overload test	LIEF LIFE MITE	N/A

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01	EN IEC 62368-		1,4 11.4
Clause	Requirement – Test	Result – Remark	Verdict
G.5.4.4.2	Locked-rotor overload test	The The Mark Will	N/A
0.0.1,1.2	Test duration (days):	TEX ITEX SITEX	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
G.5.4.5	Running overload test for DC motors	There is the in the	N/A
G.5.4.5.2	Tested in the unit	THE THE MINE	N/A
G.5.4.5.3	Alternative method	Le all all an	A N/A
G.5.4.6	Locked-rotor overload test for DC motors	THE STIFF WITH WAY	N/A
G.5.4.6.2	Tested in the unit	1 11 25 2	N/A
Jul 1	Maximum Temperature	CILL MILE WATER	N/A
G.5.4.6.3	Alternative method	1 1 1	N/A
G.5.4.7	Motors with capacitors	MITE WATE WATE	N/A
G.5.4.8	Three-phase motors	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.5.4.9	Series motors	etter mett mett me	N/A
it still	Operating voltage:	of the set of	×
G.6	Wire Insulation	Must mer mer	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation		N/A
G .7	Mains supply cords	ALTER OF	N/A
G.7.1	General requirements	No such component	N/A
NALTE	Type:	The the wife wi	
G.7.2	Cross sectional area (mm² or AWG):	2/11/10/20	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	White White White	N/A
G.7.3.2	Cord strain relief	TER STEE STEE	N/A
G.7.3.2.1	Requirements	me in m	N/A
The Maria	Strain relief test force (N)	SLIEF SLIEF SKLIEF SW	N/A
G.7.3.2.2	Strain relief mechanism failure		N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	THE WALTER WALTER WALTER	N/A
G.7.3.2.4	Strain relief and cord anchorage material		N/A
G.7.4	Cord Entry	JALIE WALLE WALL	N/A
G.7.5	Non-detachable cord bend protection	at at alt	N/A
G.7.5.1	Requirements	Write Muri Aury A	N/A
G.7.5.2	Test method and compliance	at all the	N/A
t Tex	Overall diameter or minor overall dimension, <i>D</i> (mm)	et it et el	+ 3 -
in.	Radius of curvature after test (mm)	CONNET WILL MALL	21/2 -
G.7.6	Supply wiring space	1 1 1	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
· ·	M. M. The state of	Entite Mrs. Mrs. M.	40	
G.7.6.1	General requirements		N/A	
G.7.6.2	Stranded wire	outil auti auti auti	N/A	
G.7.6.2.1	Requirements	The state of	N/A	
G.7.6.2.2	Test with 8 mm strand	alte wall was war	N/A	
G.8	Varistors	t at at text	N/A	
G.8.1	General requirements	No such component	N/A	
G.8.2	Safeguards against fire	L it let let i	N/A	
G.8.2.1	General	White Mur. Mur. Aur. Aur.	N/A	
G.8.2.2	Varistor overload test	at let tet ite	N/A	
G.8.2.3	Temporary overvoltage test	auri, aur. aur. aur	N/A	
G.9	Integrated circuit (IC) current limiters	EK TEK TEK LITEK	N/A	
G.9.1	Requirements	No such component	N/A	
MITE	IC limiter output current (max. 5A)	Et TEK TEK STER O	_	
	Manufacturers' defined drift:	my my my	_	
G.9.2	Test Program	TEN LITER NUTER AND	N/A	
G.9.3	Compliance	We will all the	N/A	
G.10	Resistors	EX MILE MALLE	N/A	
G.10.1	General	No such component	N/A	
G.10.2	Conditioning	The olive with while of	N/A	
G.10.3	Resistor test	The state of	N/A	
G.10.4	Voltage surge test	A WILL WILL MALL AND	N/A	
G.10.5	Impulse test		N/A	
G.10.6	Overload test	INLIE WALTE WALTE WALTE	N/A	
G.11	Capacitors and RC units	t at at all	N/A	
G.11.1	General requirements	No such component	N/A	
G.11.2	Conditioning of capacitors and RC units	a state of	N/A	
G.11.3	Rules for selecting capacitors	is well mill me m	N/A	
G.12	Optocouplers	t at at at a	N/A	
The t	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A	
10, 100	Type test voltage V _{ini,a} :	MUTTER MUTTER MUTTER MUTTER	_	
TEK NIE	Routine test voltage, V _{ini, b} :	at the test that	_	
G.13	Printed boards	and my many	N/A	
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	N/A	
			AV	



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-20,	EN IEC 62368-	Kir anti mer me	20, 45,
Clause	Requirement – Test	Result – Remark	Verdict
G.13.3	Coated printed boards	the many many many	N/A
G.13.4	Insulation between conductors on the same inner surface	White white while	N/A
G.13.5	Insulation between conductors on different surfaces	INLIEK WHITEK WHITEK WA	N/A
EK STER	Distance through insulation	at at at of	N/A
10,	Number of insulation layers (pcs)	The Maria Maria	
G.13.6	Tests on coated printed boards	t telt telt till	N/A
G.13.6.1	Sample preparation and preliminary inspection	Mr. Mr. M.	N/A
G.13.6.2	Test method and compliance	TEX LIER SLIER	N/A
G.14	Coating on components terminals	me me me	N/A
G.14.1	Requirements	TEX LITER RUTER AND	N/A
G.15	Pressurized liquid filled components	De In In In	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	20, 20, 7	N/A
G.15.2.1	Hydrostatic pressure test	CLIER WILL WALLE	N/A
G.15.2.2	Creep resistance test	The state of the s	N/A
G.15.2.3	Tubing and fittings compatibility test	MALL	N/A
G.15.2.4	Vibration test		N/A
G.15.2.5	Thermal cycling test	TE WILL WILL WILL	N/A
G.15.2.6	Force test	L St. Set Set	N/A
G.15.3	Compliance	WHILE WHEN WAY	N/A
G.16	IC including capacitor discharge function (ICX)	Let Let Jet	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
LIER INLI	ICX with associated circuitry tested in equipment	let let let let a	N/A
	ICX tested separately	ter me me m	N/A
G.16.2	Tests	Et TEX TEX NIT	N/A
NIEK	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	the text inter	
The state of	Mains voltage that impulses to be superimposed on	Must me me	76* —
ist the	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	MULTE MULTE MULT M	<u> </u>
G.16.3	Capacitor discharge test	LIER WILL WILL MALLE MALL	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNAL	s	N/A
H.1	General	TER INLIE MALTE MALT	N/A
H.2	Method A	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
H.3	Method B	ALTER MITTERS	N/A



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	EN IEC 62368-	b	-
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 alt all	_
H.3.1.2	Voltage (V):	WILL ANTE AND AND	_
H.3.1.3	Cadence; time (s) and voltage (V):	of let let like	_
H.3.1.4	Single fault current (mA)::	Anti with him of	_
H.3.2	Tripping device and monitoring voltage	t Tet Liter Niter In	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	of let ret it	N/A
H.3.2.2	Tripping device	MUTT MUT MUT MU	N/A
H.3.2.3	Monitoring voltage (V)	THE THE THE STEE	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUNSULATION	OUT INTERLEAVED	N/A
J.1	General	it will mut me in	N/A
SLIFE I	Winding wire insulation	et set set set si	<
10, 2,	Solid round winding wire, diameter (mm):	The Mer My My	N/A
neiter whi	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	MALIER WALLE	N/A
J.2/J.3	Tests and Manufacturing	the tip	JUEN-
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
TEX	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 let	N/A
K.4	Interlock safeguard override	AUT. MUT. MUT. MUT.	N/A
K.5	Fail-safe	et ret tet tret	N/A
K.5.1	Under single fault condition	and the man	N/A
K.6	Mechanically operated safety interlocks	IN THE THE STEE ON	N/A
K.6.1	Endurance requirement	me me m. m.	N/A
K.6.2	Test method and compliance:	TEX STEX OUTER MUTE	N/A
K.7	Interlock circuit isolation	m m m	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	LIET WHITEK WHITE WHITE.	N/A
WALTER	In circuit connected to mains, separation distance for contact gaps (mm):	Et anifet while whilet of	N/A
WITEK OF	In circuit isolated from mains, separation distance for contact gaps (mm):	LET LET LIET OUT	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
ale.	THE THE THE THE	Ex Will Mary Mar Mu	40
METER S	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A
K.7.2	Overload test, Current (A):	Mr. Mr. Mr. An.	N/A
K.7.3	Endurance test	TEX LIEX NUTER MUTER	N/A
K.7.4	Electric strength test	We all and and	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	711 111	N/A
L.2	Permanently connected equipment	A STEEL WITE WITE WHI	N/A
L.3	Parts that remain energized	Shi za st	N/A
L.4	Single-phase equipment	SLIEF WILL WALLE	N/A
L.5-	Three-phase equipment	The state of the s	N/A
L.6	Switches as disconnect devices	LIFE WILL WHILE WHILE	N/A
L.7	Plugs as disconnect devices	e to the	N/A
L.8	Multiple power sources	the survey of the sail	N/A
TEX	Instructional safeguard:	at at at a	N/A
М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	Р
M.1	General requirements	at the state	JP
M.2	Safety of batteries and their cells	2 July Any	Р
M.2.1	Batteries and their cells comply with relevant IEC standards:	Approved battery pack used	ALTE RIT
M.3	Protection circuits for batteries provided within the equipment	* TIFE MIFE WAITER WA	EK P.S
M.3.1	Requirements	7 × × ×	- P
M.3.2	Test method	CLIEB WILL WILL MILL	W P
LIEN MAL	Overcharging of a rechargeable battery	(See appended table Annex M)	JALITE P
EK MLTEK	Excessive discharging	(See appended table Annex M)	TEK P
CLER	Unintentional charging of a non-rechargeable battery	No such battery used	N/A
July 1	Reverse charging of a rechargeable battery	Built-in battery used; reverse charging is prevented	N/A
M.3.3	Compliance	No chemical leakage, no spillage of liquid, no explosion of the battery, no emission of flame or expulsion of molten metal	WITE W
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	Р
M.4.1	General	CH KET TEN JE	Р



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Clause	Requirement – Test	Result – Remark	Verdict
Olause	Troquilement – Test	Trosuit – Iromani	Veruici
M.4.2	Charging safeguards	Under normal operating conditions, abnormal operating conditions or single fault conditions, the charging voltage, charging current of the battery no exceed the maximum specified charging voltage and maximum specified charging current.	P. P. C.
M.4.2.1	Requirements	t at all all a	N/A
M.4.2.2	Compliance	(See appended table M.4.2)	Р
M.4.3	Fire enclosure:	LET THE THE STATE	Р
M.4.4	Drop test of equipment containing a secondary lithium battery	unt un un un	Р
M.4.4.2	Preparation and procedure for the drop test	lift whit me was	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%.	THE PA
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	¢ P¢
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	unti P
M.4.4.6	Compliance	the left	JE P
M.5	Risk of burn due to short-circuit during carrying		Р
M.5.1	Requirement	No bare conductive terminal used	P.S
M.5.2	Test method and compliance	A A A	N/A
M.6	Safeguards against short-circuits		W. P
M.6.1	External and internal faults		N/A
M.6.2	Compliance	The battery complied with IEC 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	
M.7	Risk of explosion from lead acid and NiCd batteries		N/A
M.7.1	Ventilation preventing explosive gas concentration	No such battery used	N/A
A 0	Calculated hydrogen generation rate:	m, m, m,	N/A
M.7.2	Test method and compliance	TEX STEE WITE WALTER	N/A
t set	Minimum air flow rate, Q (m³/h)	70 x x	N/A
M.7.3	Ventilation tests	EX NUTER WILL WALL THE	N/A
M.7.3.1	General	The state of	N/A
M.7.3.2	Ventilation test – alternative 1	alife with with white	N/A



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- 40.	EN IEC 62368-	The sale of the sale of	20 20
Clause	Requirement – Test	Result – Remark	Verdict
- Calin-	Hydrogen gas concentration (%)	The Thirty of the Man	N/A
M.7.3.3	Ventilation test – alternative 2	Tet Tet Tet NI	N/A
101.7.5.5	Obtained hydrogen generation rate:	They are my my	N/A
M.7.3.4	Ventilation test – alternative 3	Alt The state	N/A
101.7.5.4	Hydrogen gas concentration (%)	in the in in	N/A
M.7.4	Marking	A 10 10 10 10 10 10 10 10 10 10 10 10 10	N/A
M.8			N/A
IVI.O	Protection against internal ignition from external spark sources of batteries with aqueous electrolyte		
M.8.1	General	THE THE STATE OF	N/A
M.8.2	Test method	SLIEF WILL WALL WALL	N/A
M.8.2.1	General	The state of the s	N/A
M.8.2.2	Estimation of hypothetical volume V_Z (m ³ /s):	LIFE WALTE WALTE WALTE	20 _{00.}
M.8.2.3	Correction factors:	a at at at	56t - S
M.8.2.4	Calculation of distance d (mm)	murity and and an	7/1/2
M.9	Preventing electrolyte spillage	et det det det	N/A
M.9.1	Protection from electrolyte spillage	mur mr mr	N/A
M.9.2	Tray for preventing electrolyte spillage	ALTER STIEF	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	The let	N/A
111	Instructional safeguard	The water was any a	N/A
N JEE	ELECTROCHEMICAL POTENTIALS		N/A
4,	Material(s) used	The me me me	2,
0.5	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES		N/A
20 20	Value of X (mm):	Mr. Mr. Mr. M.	
P Joli	SAFEGUARDS AGAINST CONDUCTIVE OBJECTS		Р
P.1	General	See below	Р
P.2	Safeguards against entry or consequences of entry of a foreign object		Р
P.2.1	General	10, 10, 10, 10, 10	↓ P
P.2.2	Safeguards against entry of a foreign object	- LIET MITE WALL WALL	P
, Et	Location and Dimensions (mm)	No opening.	- A
P.2.3	Safeguards against the consequences of entry of a foreign object	White white white white	N/A
P.2.3.1	Safeguard requirements	JEK WIEK WITE WITE	N/A
k WITEK	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	at the test offer to	N/A
A ELY	Transportable equipment with metalized plastic parts	The state of	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
. d/12		Er Jir Ni Mi M	To
P.2.3.2	Consequence of entry test	707 707 70	N/A
P.3	Safeguards against spillage of internal liquids	ALTER INLIER WALL WALL	N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	ALTER WALTER WALLE WALL	N/A
P.3.3	Spillage safeguards	at the set	N/A
P.3.4	Compliance	The Marie Authority of the Marie W	N/A
P.4	Metallized coatings and adhesives securing parts		N/A
P.4.1	General No such construction.		N/A
P.4.2	Tests	at let let let	N/A
	Conditioning, T _C (°C):	mer me me me	-2n -
LIER	Duration (weeks)	TEX TEX LIER NITER	WILLE OF
Q	CIRCUITS INTENDED FOR INTERCONNECTION WITH BUILDING WIRING		N/A
Q.1	Limited power sources	EX TEX STEX STEEL ST	N/A
Q.1.1	Requirements	m n n	N/A
White a	a) Inherently limited output	LIER SLIER WILL WILL	N/A
WILK MA	b) Impedance limited output	and the state of	N/A
	c) Regulating network limited output	white white	N/A
at A	d) Overcurrent protective device limited output	= 1 1 t	N/A
MUT	e) IC current limiter complying with G.9	LIE WILL WALL WALL O	N/A
Q.1.2	Test method and compliance	See below	N/A
nu.	Current rating of overcurrent protective device (A)	MULL MILL MULL MIN	N/A
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A
LTEET MIL	Maximum output current (A):	TEX STEX STEX MITTER	N/A
.dds	Current limiting method	is my my m	
R	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General de la contraction de l	No such consideration.	N/A
R.2	Test setup	- riter miter unite was	N/A
JEN.	Overcurrent protective device for test:	2) The second se	14
R.3	Test method	CHIEF WILL WALL WALL	N/A
7EX .18	Cord/cable used for test	a to the set	18t-
R.4	Compliance	LIE WILL MALL MALL	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	a at at at	N/A
S.1	Flammability test for fire enclosures and fire bawhere the steady state power does not exceed		N/A
WILL OF	Samples, material:	LIFE CHIEF WITE WALT	2/1/2



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	requirement – rest	INESUIT - INEITIAIN	Verdict
All the	Wall thickness (mm)	M. M. E.	at the
	Conditioning (°C)	WILLER WHILE MALLE	ur, mr
LIFEK WI	Test flame according to IEC 60695-11-5 with conditions as set out	TEX TIFE MITES AN	N/A
A 1	- Material not consumed completely	n n z	N/A
White have	- Material extinguishes within 30s	TER STIFF WITER WALTER	N/A
- 16	- No burning of layer or wrapping tissue	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
S.2	Flammability test for fire enclosure and fire bar	rier integrity	N/A
Alt.	Samples, material:	L A ST	THE STATE
1/2 2	Wall thickness (mm)	WHITE WHITE WALL WI	r. 124.—
CIEN X	Conditioning (°C)	at at at a	EK CIEK
S.3	Flammability test for the bottom of a fire enclose	sure we were	N/A
S.3.1	Mounting of samples	et set set with	N/A
S.3.2	Test method and compliance	Mr. Mr. Mr.	N/A
MITER	Mounting of samples:	TEX STEX STEEL	WILLER OF TE
	Wall thickness (mm)	Mr. Mr.	<u></u>
S.4	Flammability classification of materials	LEE STIFF OF	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	Life Marile Walle While	N/A
t with	Samples, material	e at let let	JEK J
an.	Wall thickness (mm)	MULL MULL MULL	1/1, 1/1
JIEN	Conditioning (°C)	at let let	STE NITE
Ť	MECHANICAL STRENGTH TESTS		N/A
T.1	General	TEK TEK LIEK NI	N/A
T.2	Steady force test, 10 N:	by My My My	N/A
T.3	Steady force test, 30 N:	EF TER STER STER	N/A
T.4	Steady force test, 100 N:	The The The	N/A
T.5	Steady force test, 250 N:	LIER WITER WITE	N/A
T.6	Enclosure impact test	201 201 2	N/A
West of	Fall test	WILL WILL MULTER	N/A
LEK A	Swing test		N/A
T.7	Drop test:	(See appended table)	N/A
T.8	Stress relief test:	(See appended table)	N/A
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	+ + +	N/A



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Clause	Requirement – Test	Result – Remark	Verdict

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



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Clause	Requirement – Test	Result – Remark	Verdict	
M	Mi W The Table of	THE STATE WITE SUPER	The Me	
Y.4.2	Gasket tests	10. 10.	N/A	
Y.4.3	Tensile strength and elongation tests	CLIEB WILL MILLE	N/A	
et .	Alternative test methods:	20 T	N/A	
Y.4.4	Compression test	RELIEF MALTE WALLE	N/A	
Y.4.5	Oil resistance		N/A	
Y.4.6	Securing means	I'E WILL WILL WAS	N/A	
Y.5	Protection of equipment within an outdoor enclo	osure	N/A	
Y.5.1	General	WHIT WALL WALL	N/A	
Y.5.2	Protection from moisture	at let let	N/A	
in a	Relevant tests of IEC 60529 or Y.5.3:	MULL MULL MULL	N/A	
Y.5.3	Water spray test	at let tet.	N/A	
Y.5.4	Protection from plants and vermin	to me me m	N/A	
Y.5.5	Protection from excessive dust	et let liet all	N/A	
Y.5.5.1	General	Mr. Mr. M.	N/A	
Y.5.5.2	IP5X equipment	TEX LIEX SLIES	N/A	
Y.5.5.3	IP6X equipment	41. 41.	N/A	
Y.6	Mechanical strength of enclosures	LEE MITE	N/A	
Y.6.1	General	7	N/A	
Y.6.2	Impact test:	TE LIE MIT WA	N/A	



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U,	ALC:	411, 411, 411	EN IEC 62368-1	TER MITE MALLE	Mrr. M	21/2
	Clause	Requirement – Test	in the same of	Result – Remark	et d	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)	Life while while whe we	Р
MUTER OF	Clause numbers in the cells that are shaded light grader 12020+A11:2020. All other clause numbers in the paragraph below, refers to IEC 62368-Clauses, subclauses, notes, tables, figures and any those in IEC 62368-1:2018 are prefixed "Z".	bers in that column, except for 1:2018.	P. P. WALLER
NLT WITE	Add the following annexes: Annex ZA (normative)Normative references to interrecorresponding 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 de	efinitions:	N/A
3.3.19.1	momentary exposure level, MEL metric for estimating 1 s sound exposure level from the HD 483-1 S2 test signal applied to both channels, based on EN 50332-1:2013, 4.2. Note 1 to entry: MEL is measured as A-weighted levels in dB. Note 2 to entry: See B.3 of EN 50332-3:2017 for additional information.	Not such equipment	N/A
3.3.19.3	sound exposure, E A-weighted sound pressure (p) squared and integrated over a stated period of time, T Note 1 to entry: The SI unit is Pa^2 s. T $E = \int_{0}^{T} p(t)^2 dt$	Mile Multer Multer While	N/A



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

Clause	Requirement – Test	Result – Remark	verdict
ale,	AN AN A TEN OF	it will will again.	The Marie
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, E_0 , typically the 1 kHz threshold of hearing in humans.	WALTER WALTER WALTER W	N/A
	Note 1 to entry: SEL is measured as A-weighted levels in dB. $SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	LITER WHITER WHITER WHITER	White white
CLIEN SIN	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	at let let a	TEK INTEK
3.3.19.5	digital signal level relative to full scale, dBFS levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels.	TEX WHITEX WHITEX WHITEX	N/A
Whi w	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.	white white white w	et tet
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
10.6	Replace 10.6 of IEC 62368-1 with the following:	TE WILLE WILLE	any any
, Mur.		Not such equipment	N/A N/A
, Aur.	Introduction 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	United white	an, and
10.6 10.6.1.1 10.6.1.1 Interest of the second se	Introduction 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: — 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	United white	Mr. Mus



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-20,	EN IEC 62368-1	is the me also	24, 4,
Clause	Requirement – Test	Result – Remark	Verdict
apr.	NOTE 1 Protection against acquistic approxy sources from	A STEEL WALL SHEET	The The
	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	a st at	LET LET
	NOTE 2 It is the intention of the Committee to allow the	OLIER MALTE MALTE	ant, and
	alternative methods for now, but to only use the dose	20, 20, 1	it lit
	measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as	TEX LIER OLIER OF	Liter WALL ON
	possible.	See Alle Mr. Mr. Mr.	
	Listening devices sold separately shall comply	at at alt of	er cier ni
	with the requirements of 10.6.6.	are were were	20,
	These requirements are valid for music or video	a state	- 18 18 18 18 18 18 18 18 18 18 18 18 18
	mode only. The requirements do not apply to:	LIFE MITE MILL	Mur. Mur
	– professional equipment;	21/2 24, 25	4
	3 mr mr mr m	LET TEX TEX	CLIEB MITE
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal	ner mer me 1	n - 2
	electronics stores are considered not to be professional	at at at	TEN TEN
	equipment.	LIER WILL WILL WA	211, 211
	– hearing aid equipment and other devices for	20. 1	+ 1 + 1
	assistive listening;	EX LIET SLIFE SLIFE	MALL WILL
	- the following type of analogue personal music	The This This	
	players: • long distance radio receiver (for example, a	. Let tet tet	LIER WITE
	multiband radio receiver or world band radio	White Will Mar	41, 41,
	receiver, an AM radio receiver), and	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LET LEX
	cassette player/recorder;	WILL W	Vr. 12 12 1
	NOTE 4 This exemption has been allowed because this		1 1
	technology is falling out of use and it is expected that within a	ar ar ar ar	in white and
	few years it will no longer exist. This exemption will not be extended to other technologies.	, mer mer m	
	The The Way May All All All All All All All All All Al	L st set set	- JE - JE
	 a player while connected to an external amplifier that does not allow the user to walk around while 	WILL WILL WILL	11/2 11/2
	in use.	1 1 x	LET LET
	And the take	LIER SLIER WILL	MULL MULL
	For equipment that is clearly designed or intended	m. m. m.	a de
	primarily for use by children, the limits of the relevant toy standards may apply.	Let tet tet	LIER ULIE NI
	istant to standards may appry.	in me me m	20 20
	The relevant requirements are given in	e of the state of	Et JEY J
	EN 71-1:2011, 4.20 and the related tests methods	The Wife Will Mile	an an
10.6.1.2	and measurement distances apply. Non-ionizing radiation from radio frequencies	7 × ×	N/A
10.0.1.2	in the range 0 to 300 GHz	SLIER WITE SUITE	WILL THE
	The amount of non-ionizing radiation is regulated	24, 24, 25	.4 .4
	by European Council Recommendation	TEX TEX LIER	RITE RITE
	1999/519/EC of 12 July 1999 on the limitation of	Wer Aug Ang A	
	exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).	at the letter	TEN TEN
	For intentional radiators, ICNIRP guidelines should	ILE WILL MULL MULL	211, 211
	be taken into account for Limiting Exposure to	70.	+ 15 1
	Time-Varying Electric, Magnetic, and	the little street outer	WALL WALL
	Electromagnetic Fields (up to 300 GHz). For hand-	211, 211, 21	
	held and body mounted devices, attention is drawn to EN 50360 and EN 50566.	A CH CH	TEN TEN



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Lange Committee	Mr. Mr. Mr. M. M.	EN IEC 62368-1	MULLE MULL	ang.
Clause	Requirement – Test	Result – Remark	Ver	dict

10.6.2	Classification of devices without the capacity to estimate sound dose		N/A
10.6.2.1	General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3.	Not such equipment	N/A
	For classifying the acoustic output $L_{\text{Aeq},\tau}$, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	Whitek whitek whitek white	ite unit
	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 WILLEX WILLEX WILLEY	on text on the second
	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	t white white
10.6.2.2 THE WILLIES	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. — The RS1 limits will be updated for all devices as	UNLIEK WALTER WA	N/A IN LIFE IN LIFE



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Clause	Requirement – Test	Result – Remark	Verdict
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	West Aug on	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	untice un	EK WATEK WALTER WALT WALTER WALT WALTER WALT
0.6.2.4	simulation noise" as described in EN 50332-1. RS3 limits	White Mail white	N/A
10.6.2.4	RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	MILIER WHITER WHITER W	NITER WILL
10.6.3	Classification of devices (new)	at a state of	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)	In Ing an	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.	Inter white	EX WITEX WATE WATEX WATEX WATEX
10.6.3.3	RS2 limits (new)	MITE WALLER WALLE	N/A
	RS2 is a class 2 acoustic energy source that does not exceed the following: – for equipment provided as a package (player	ALTER ALTER MALTER AN	NIEK WALTER

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	EN IEC 62368-1	40, 70, 7	
Clause	Requirement – Test	Result – Remark	Verdict
ale .	M. M. The The	att out on	me me
	with its listening device), and with a proprietary	20, 2	A 15
	connector between the player and its listening	THE STEE STEEL	ALTE MALIE
	device, or where the combination of player and	The The The To	
	listening device is known by other means such as setting or automatic detection, the weekly sound		14 18th
	exposure level, as described in EN 50332-3, shall	TEN THE NUT WI	1/2 1/2
	be ≤ 80 dB when playing the fixed "programme	er all an an	
	simulation noise" described in EN 50332-1.	1 1 1 1	
	for equipment provided with a standardized	the still write with	The The
	connector (for example, a 3,5 phone jack) that	211, 22, 2,	
	allows connection to a listening device for general	A At At	TE SITE
	use, the unweighted r.m.s. output level, integrated	outly and and	11/2
	over one week, as described in EN50332-3, shall	70, 70,	4
	be ≤ 15 mV (analogue interface) or -30 dBFS	at the set	THE SLITE
	(digital interface) when playing the fixed	WILL WILL WILL MI	171
	"programme simulation noise" described in EN		x
10 W.	50332-1.	The title the state of	- 11 CT 11/1
10.6.4	Requirements for maximum sound exposure	1 24 24 24 24	N/A
10.6.4.1	Measurement methods	Not such equipment	N/A
	All volume controls shall be turned to maximum	The the the	10,
	during tests.	1 4 4	LET LET
		TER LIFE MITE	Vry Why
	Measurements shall be made in accordance with	44. A. 20. 1	
- C	EN 50332-1 or EN 50332-2 as applicable.		(J. ()
10.6.4.2	Protection of persons	White My	N/A
	Except as given below, protection requirements for		
	parts accessible to ordinary persons,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10
	instructed persons and skilled persons are	in the mer and	24 20.
	given in 4.3.	1	_0 t _26
	NOTE 1 Volume control is not considered a safeguard.	LIER SLIER WILLE	arry arry
	at at let the out in our	me m. m.	
	Between RS2 and an ordinary person, the basic	A A A	JEE JIE
	safeguard may be replaced by an instructional	CLIE WILL WILL W	211
	safeguard in accordance with Clause F.5, except	20 20	at at
	that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the	LET LET SET S	C 1827 M
	instruction manual.	The Mer Mer My	10 10
	Alternatively, the instructional safeguard may be	1 4 4	- 184 1
	given through the equipment display during use.	EX SLIER CLIER MILIT	in in
	I A LEK TEK TEK MIT WILL WILL	20, 20, 20,	
	The elements of the instructional safeguard	Let Let Let	WITE WITE
	shall be as follows:	They was any	1, 2,
		*	at at
	– element 1a: the symbol ∠"", IEC 60417-	TEX LIFE LIFE IN	J. JACK
	6044 (2011-01)	We we all an	
	- element 2: "High sound pressure" or equivalent	1 1 1 1 1	the the
	wording	THE SITES OUT TO SOUTH	W. M
	- element 3: "Hearing damage risk" or equivalent	21/2 201 20	
	wording (A "D	t at at at	STATE STATE
	 element 4: "Do not listen at high volume levels 		100
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27.
	for long periods." or equivalent wording	THE THE THE	



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	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
UNLIER WILLER	of an ordinary person to an RS2 source without intentional physical action from the ordinary person and shall automatically return to an output level not exceeding what is specified for an RS1 source when the power is switched off. The equipment shall provide a means to actively inform the user of the increased sound level when the equipment is operated with an output exceeding RS1. Any means used shall be acknowledged by the user before activating a mode of operation which allows for an output exceeding RS1. The acknowledgement does not need to be repeated more than once every 20 h of cumulative listening time. NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed. NOTE 3 The 20 h listening time is the accumulative listening time, independent of how often and how long the personal music player has been switched off.	JUNITER WHITER W	TEX WALTER WALTER OF THE WALTE
MALIE	A skilled person shall not be unintentionally exposed to RS3.	MITEL MALTER MALTER	Write Milit
10.6.5	Requirements for dose-based systems		N/A
10.6.5.1	General requirements Personal music players shall give the warnings as provided below when tested according to EN 50332-3, using the limits from this clause. The manufacturer may offer optional settings to allow the users to modify when and how they wish to receive the notifications and warnings to promote a better user experience without defeating the safeguards. This allows the users to be informed in a method that best meets their physical capabilities and device usage needs. If such optional settings are offered, an administrator (for example, parental restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a specific configuration. The personal music player shall be supplied with easy to understand explanation to the user of the	Not such equipment	N/A N/A N/A N/A N/A N/A N/A N/A
nliek white Lex white	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.	Tex uniter whitek white	LIET WITER O
10.6.5.2	Dose-based warning and requirements When a dose of 100 % CSD is reached, and at least at every 100 % further increase of CSD, the device shall warn the user and require an	TEX TEX STEEL	N/A



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- 27	EN IEC 62368-1	re all all all	72.
Clause	Requirement – Test	Result – Remark	Verdict
alle.	M W TEX ST	The water about	we we
	acknowledgement. In case the user does not	200	14 14 Et
	acknowledge, the output level shall automatically decrease to compliance with class RS1.	THE STEE STEE	WILL WILL
	decrease to compliance with class NoT.	We are a	
	The warning shall at least clearly indicate that	a to the state of	CENT SERVE
	listening above 100 % <i>CSD</i> leads to the risk of	LIFET NITE INLIVE WAY	10 10
	hearing damage or loss.	20 20 20 20	
0.6.5.3	Exposure-based requirements	It Let LET JE	N/A
10	With only dose-based requirements, cause and	auti were mure	411.
	effect could be far separated in time, defying the	4	20- 20
	purpose of educating users about safe listening	THE LITTER STATE	with white
	practice. In addition to dose-based requirements,	The The In	
	a PMP shall therefore also put a limit to the short-	at at at	TEX TEX
	term sound level a user can listen at.	WITE WITE WALL MY	in the
	The expecting based limiter (CL) shall	10, 20,	at at
	The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed	LET JET JET JE	The ST
	100 dB(A) or 150 mV integrated over the past 180	in we we	20 20
	s, based on methodology defined in EN 50332-3.		** ** **
	The EL settling time (time from starting level	ex life wife with	ave ave
	reduction to reaching target output) shall be 10 s	24, 24, 25,	
	or faster.	at at the	THE LITE
	Total of El. 6 mostly with the conducted and analysis and	WILL WILL WALL	20.
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For		* 1
	equipment provided as a package (player with its	LEE STEEL ON	The Spilling
	listening device), the level integrated over 180 s	- 1 In 20,	
	shall be 100 dB or lower. For equipment provided	4 1	t litt
	with a standardized connector, the unweighted	THE NAME OF THE PARTY	m m
	level integrated over 180 s shall be no more than	70, 2, ,	
	150 mV for an analogue interface and no more	LE THE THE	Tile Will
	than -10 dBFS for a digital interface.	anti with whi	ing in
	NOTE In case the source is known not to be music (or test	1 x	et et
recorder	signal), the EL may be disabled.	THE STATE OF THE	Mr. Mr.
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	211 22	4.
	listening device, and with the volume and sound	A BY THE THE	TO THE WAY
	settings in the listening device (for example, built-	West wife and	21/2 22
	in volume level control, additional sound features like equalization, etc.) set to the combination of		18 A
	positions that maximize the measured acoustic	TEX LIFE OLIVE	inlie when
	output, the input voltage of the listening device	The My My	
	when playing the fixed "programme simulation	A A A	TEX JEE
	noise" as described in EN 50332-1 shall be ≥ 75	SLIE MITE SIRLY WA	1/1/2
	mV.	10. 10.	+ 2+
	NOTE The values of 94 dB and 75 mV correspond with 85 dB	et let let let	11/2 11
-20.	and 27 mV or 100 dB and 150 mV.	y mur mur m	20, 2,
0000	Corded listening devices with digital input	t at at at	N/A
10.6.6.2		The second secon	- CI
0.6.6.2	With any playing device playing the fixed	are are are	20.
0.6.6.2	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings	mer me m	it it



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	EN IEC 62368-1	the wife with whi	
Clause	Requirement – Test	Result – Remark	Verdict
ar .	an an a tele it	Lite all and	The Me
unitek 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.	Militer Militer Militer	duntifes auntifes
10.6.6.3	Cordless listening devices	300	, ⊢ N/A
Whitek wh	In cordless mode, — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the LAeq, acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	TEK WHITEK WHITEK WHITEK JUNITEK WHITEK WHITEK JEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK	JUNE WILLER JUNETER JU
10.6.6.4	Measurement method	WILL MALL WALL	N/A
NITEK ANI	Measurements shall be made in accordance with EN 50332-2 as applicable.	at Mark	LIFET PLIFET
3	Modification to the whole document		Р



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AV	10 m	30 1 19 11 11 11			
. Mr.		EN IEC 62368-1			21/2
Clause	Requirement – Test	The The The	Result – Remark	Verd	lict

أأنس	st: M					
16	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2
	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2
اد.	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
3	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note
711	Table 13					
T.	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note
y£	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4
11.	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2
	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2
ď.	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note
	Y.4.5	Note				
ار		1		10° 15°		V .0V .
N	Modification	to Clause 1				
۸		ving note: e of certain substa ent is restricted w			Mrtek Mrt	ET WALTER WA
	Modification	40 4 74				



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Lange Committee	Mr. Mr. Mr. M. M.	EN IEC 62368-1	MULLE MULL	ang.
Clause	Requirement – Test	Result – Remark	Ver	dict

4.Z1	Add the following new subclause after 4.9:	Not directly connected to the	N/A
AND TEX WILLEY WILLEY	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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-21,	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
The same		att out only	The The		
10.5.1	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions: 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	MULTER WALTER WALTER	N/A		
	intelligible picture for 1 h, at the end of which the measurement is made. NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	Whitek Whitek Whitek	white white a		
	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.	THE WALTER WALTER WALTE	t white white		
	Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	Whitek whitek	MULTER WILLER		
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	THE WALL WALLEY WALL	EK WAIEK WAL		

Modification to G.7.1

Add the following note:

Modification to Bibliography

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

G.7.1

10



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Clause Requirement – Test	EN IEC 62368-1	TEX INTIES WHITE WA	TIP MILL MILL	
Clause	Requirement – Test	Net Ave My A	Result – Remark	Verdict

ale		201
, et	Add the following notes for the standards indicated:	P
WILLEY WI	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 61508-1. 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.	Whitek whitek
11	ADDITION OF ANNEXES	Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	P
4.1.15 ONLITE WALLES OF THE STATE OF THE ST	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"	N/A SEE SUBSTITUTE SUBSTITUT
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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1.01010110011	10:: W11 21B07 1010001	T age of erer			N 01
11/2		EN IEC 62368-1			
Clause	Requirement – Test	The Albert All All	Result – Remark	et s	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	White
	A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	street waters waters waters	WALTEK W
5.4.11.1	Finland and Sweden	No such external circuits.	N/A
and Annex G	To the end of the subclause the following is added:	es unite unite unit u	ne was
	For separation of the telecommunication network from earth the following is applicable:	multer mult mult mi	t TEX
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	united white white white	JUNE .
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	the main main was .	511 EX
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	MITEL WILL MILES WILL	EK MUTIEK
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound	MULTER MILIER	Whitek o
	completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Whitek whitek whitek wh	ing murit
	passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV),	UNLIEK WHITEK WHITEK WHITEK	White w
	and white white white white white	at the the there	NI EK NIVÎ
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	WILL MULES WILLES WAS	IEY WALTER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	WILLER MUTTER MUTTER MUTTER	- JALTEK V
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	THE WALTER WALTER	un'il un' LIFX unlif
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	TELY STEEL STEEL SOLE	EX WILLEX



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20,	EN IEC 62368-1	is the war and	20, 1,
Clause	Requirement – Test	Result – Remark	Verdict
The .	W W THE ST	Et all mil whi	me me
	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	THE STEE STEEL	NITEK WALTEK
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	whitek whitek whitek whi	TEX WITTEN
EK WALTER	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	LEX MUTER MUTER MUTE	Auri, Est. Miri
5.5.2.1	Norway	A TEX TEX LIES	N/A
	After the 3rd paragraph the following is added:	Murr Mur Mur.	th tex
ing in	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Write Murrey Marie M	er eer
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A
	To the end of the subclause the following is added:	ed street market sontreet	MULLER MULL
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	Whitek whitek whitek a	MITER WALTER
5.6.1	Denmark	No such equipment.	N/A
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification:	Whitek whitek whitek	white white
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	WALTER WALTER WALTER W	WILL MULL
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 A, this being the largest rating of fuse used in the	ett whitek whitek white	MUTER MUT
- 25	mains plug.		(1) (1)
5.6.4.2.1	France	INLIE WALL WALL	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	Writek Muriek Muriek An	itet unitet v
F C F 4	20 A instead of 16 A.	CERT CERT COLOR	A1/0
5.6.5.1	To the second paragraph the following is added: The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm² to 1,5 mm² in cross-sectional area.	ex mures mures murites	N/A



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110	Mr. Mr. Mr. M.	EN IEC 62368-1	Music Mili
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.	unifer while while while while	WALTER WAL
5.7.6	Denmark	The Maria Maria	N/A
Whitek W	To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Whitek whitek whitek whitek	MITEL MITEL MITEL
5.7.6.2	Denmark	TEX STEEL WITER WITE W	N/A
ek whitek	To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA.	and the sourcest sour	ek vinitek
5.7.7.1	Norway and Sweden	Not such system.	N/A
INLIER ON ITER	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system. It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which	E MILIER	NITER WAS
	may be provided by a retailer, for example.	rie murit must must an	, 'm'
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	MUTER WHITER WHITER WHI	ER WALTE
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing –	WILE MUTER MUTER MUTER	Notes A
	and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	TEK WALTER WALTER WALTER WALTER	TEX WALT MITES
	NOTE In Norway, due to regulation for CATV-installations, and	The Mr. Mr. Mr.	20. 3



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EN IEC 62368-1						
Clause	Requirement – Test	Result – Remark	Verdict			
. dr 2	Mr. All III III	LIE WITE WALL WA	70			
MUTIEK AN	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.	MILIER WHITER WHITER WHITE	MULTER.			
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	STEK WITEK WATER	WALTEX ON			
	"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	et united muted m	SE WINT			
	apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	white many many the	NITEX .			
itek unitek Mulitek Mulitek	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."	MULTER WALTER WALTER WALTER	un itek vuni ei ik vunite ek rek			
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	united united	WATER ON			
	required where there is a risk of personal injury.	in the the				
B.3.1 and B.4	Ireland and United Kingdom The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in 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	Not directly connected to the mains	N/A			
-1111	B.3.1 and B.4 are met	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 10 Lu			
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.	TEK WHITEK WHITEK WHITEK	IN TEX WAY			
	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	THE STEEL WITH MILE	MALIEK			



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	EN IEC 62368-1	40. 40.	
Clause	Requirement – Test	Result – Remark	Verdict
an .	WILL AND THE STATE OF	it with the way	24
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	TEX STEX STEX WITH	MALTEX
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a polyphase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.	STEK WHITEK WHITEK WHITEK	WALTER OF
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a.	Whitek whitek whitek whi	IE WALTER
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX MUTER MUTER MUTER	in the M
	Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a	A TIER WILLER WHITER WATE	ite mut
	Justification: Heavy Current Regulations, Section 6c	White willer	MALTER
G.4.2	United Kingdom	Not directly connected to the	N/A
WALTE	To the end of the subclause the following is added:	mains	N TE WA
	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17,	Whitek whitek whitek whi	in with
whitek wh	except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	Whitek whitek whitek whitek	Maries M
G.7.1	United Kingdom	a state of	N/A
MUF	To the first paragraph the following is added:	MALIE WHILE WHILE WA	74 - CA
MINITER WAS	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	Whitek whitek whitek whitek	White white
MALTER	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	MULTER WALTER WALTER WA	TIE WALT



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EN IEC 62368-1					
Clause	Requirement – Test	Net Mer M. M.	Result – Remark	Verdict	

G.7.1	Ireland	74, 25,	N/A	
	To the first paragraph the following is added:	STEE WITER WHITE WHITE		
	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance	off the ties street		
	with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use	sir mur mur mr a		
MULL	Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	EX WALTER WALTER WALTER WAS	. 161 . 161	
G.7.2	Ireland and United Kingdom	alter with white wall	N/A	
	To the first paragraph the following is added:	at set set set		
	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.	intil unit with with		
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)			
10.5.2	Germany	No CRT within the equipment.	N/A	
	The following requirement applies:	mer mer mer me		
	For the operation of any cathode ray tube intended	LIEF SLIEF WILLEY WILLEY		
	for the display of visual images operating at an acceleration voltage exceeding 40 kV,	Wiles My In In		
	authorization is required, or application of type	the state of the		
	approval (Bauartzulassung) and marking.	a ince in a		
	Justification:	E TO LITE OUT ON		
	German ministerial decree against ionizing	The The M. T.		
	radiation (Röntgenverordnung), in force since	at let let the		
	2002-07-01, implementing the European Directive 96/29/EURATOM.	White must must make		
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-	Whitek Mailer Mailer Mailer		



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EN IEC 62368-1					
Clause	Requirement – Test	it with the man	Result – Remark	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):
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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The same	111 121 22	EN IEC 62368-1	TER MITE MALLE	ner an	2/1
Clause	Requirement – Test	MUT. M. M.	Result – Remark	alt de	Verdict

5.2	TABLE: Classificati	on of electrical er	nergy source	es			P
Supply Voltage	Location (e.g.	Test conditions		Parame	eters	'	ES
	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
5V DC	Input circuit	Normal	5VDC	n -2,	SS	DC	ES1
	21/2 21/2 22	Abnormal	Jak S	TER WITE	with w	Vr. Alver	Min
	ITEK WATER WATER	Single fault – SC/OC	- Cir - Cir	t set	TEK-	EX -TEX	MALTEK
4.2V DC	Battery circuit	Normal	4.2VDC	111, 71,	SS	DC	ES1
	Mur Mr.	Abnormal	et - et	alifik mi	STELLE STELLE	TOP TOP	10, 19
	MITEK WILLEK WI	Single fault – SC/OC	71/2 71/2	TEK TEK	LIEV	INLIE MINLI	EK WA

Supplementary information:

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

 Normal –Full load and no load.

 Abnormal Overload output

SC= short circuit; OC= open circuit

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

5.4.1.10.2	.1.10.2 TABLE: Vicat softening temperature of thermoplastics					N/A	
Method			:	ISO 306 / B50	unite unit	_	
Object/ Part No./Material Manufacturer/trademark		Manufacturer/trademark	Thickness (mm) T soft		T softeni	ftening (°C)	
-Mulli M	er alle all	The set of	(Et	NITER MITER	Lite Mili-	2000 1	
Supplementary information:							
are and	211. 211	at let let		alier while and	WILL 1	no in	

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



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			EN IEC	62368-	1.1			
Clause	Requiremen	t – Test	ic Mur. A		Result -	- Remark	et .	Verdict
18/10	21, 20,		. 4	E* 5	Er Cli	1000	Vr. The	an.
_{LE}		TIER OLIE	" WELL MY	2115	-21,	_		k - 18t
Suppleme	entary information	n:						
+	CENT CENT	LIER SLIE	weil with	du.	10.		L st	, Et

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance								N/A
Clearance (cl) and creepage distance (cr) at/of/between:	U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
mile will wall wall	10.	40	بر		No.	56t5	er mile	MINITE V

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	distance through insul	lation	MULT WILL	N/A
Distance th (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)
	THE LIFE ALT	MILE WILL WAL	111 - 211		11 - 11t
Supplemen	tary information:				
*See also s	ub-clause 5.4.4.9	The True		J 15	et set s

5.4.4.9 TABLE: Solid insulation at frequencies >30 kHz						
Insulation material	E P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)
WILL MULL AND AND	- Mr.	- 4	# 11	-TEK TE	- NITER OF	CE MALTE
Supplementary information:						
WILL WILL WALL MAN	24	, , , , , , , , ,		CENT SEPT	JEE RE	and a

5.4.9 TABLE: Electric st	rength tests	TEN STEN ST	N/A
Test voltage applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	Will My Mr M. M.		LEF LEF
-any any any any	A TEN ITEN STIER STEE	- write white	Vr. 170, 1
Basic/supplementary:	WALLE WALL WALL THE WALL		CEL STEP N
Tr. M. M.	A TEX TEX NITER WITE	Write Mure And	2115
Reinforced:	the me the the	A 15 16	t set sie
- 44	the state of the patient applied to	TI ME MUT	~11 ~11.
Routine Tests:	Mr. M. M. A.	at at at	LIFE SLIER
- N	TEK NITE INITE WALLE WAS	- no m	21, 7,
Supplementary information:			



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L. Mr.	M. M. S. F.	EN IEC 62368-1	Mrs. Mrs.
Clause	Requirement – Test	Result – Remark	Verdict

TABLE:	Stored discharge of	on capacitors			N/A
	Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class
20, 1		Normal	TER WITE V	Marin Marin	mr -m
Neigh an	TET WALTE WALL	Single fault: SC/ OC	t clet w	TEK TEK	LIEK WALTER
ntary inform	mation:	,			
	TUITER VIII		condition 1) Normal Single fault: SC/ OC	Supply voltage (V) Operating and fault condition 1) Switch position	Supply voltage (V) Operating and fault condition 1) Switch position Weasured voltage (Vpk) Normal Single fault: SC/ OC

X-capacitors installed for testing are:

[] bleeding resistor rating:

[] ICX: 1) Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit

5.6.6 TA	BLE: Resistance of	protective condu	ctors and terminati	ons	N/A
Location		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
77	- L - L	the time the second	1612 - 945 A	L 1/1 20	,
Supplementary i	nformation:				
, , , ,	V / / / (§)	IF WILL	70.	411 22	al.

5.7.4	TABLI	E: Unearthed acces	ssible parts	WITE WALL W	ver and a	20	N/A
Location	Operating and				Parameters		
		fault conditions	Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	
L/N to secondary terminals		Normal	J₹ A	- 17 ⁶² -17 ⁶³	THE WALTE	" In	111 - 111
		Abnormal: overload	Mury - Mur	The Tex	iter aiter	WITE N	LIEY WAL
		Single fault: SC/ OC		nur -nu -	in in	TEK C	ek -
Supplemen	tary info	rmation:					

SC= short circuit; OC= open circuit

5.7.5	TABLE: Earthed acces	sible conductive part	70.	at at	N/A
Supply volta	age (V)	11 11 11 11 11 11 11 11 11 11 11 11 1	ALTER MITER N	VILL MULL OF	
Phase(s)		[] Single Phase; [] Three	Phase: [] Delta	[] Wye	
Power Distr	ibution System	[] TN []TT []IT	TER STEEL INT	it with whi	
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt
- 40, 4	a at at a	et alter the wall	Mur Mur	24, 24,	7
Supplement	tary Information:				
211. 211		- LIER SLIER WITE	Will with	m, m,	21, 2,



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Ġ	C. MUT.	Mist him the the	EN IEC 62368-1	I'E' MITE WALTE WALTE.	ancis and
	Clause	Requirement – Test	Vr. 211. 20	Result – Remark	Verdict

5.8	TABLE: Backfeed safeguard in battery backed up supplies						N/A
Location		Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class
The Maria	Mr	m_ m	- 4	All S	Et Ster 10	Lie Thire	where - m
Supplementa	ary infor	mation:					

6.2.2 T.	TABLE: Power source circuit classifications										
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class					
Battery circuit		3.099	2.5	7.75	3S	PS1					

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

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

6.2.3.1	TABLE: Determ	nination of Arcing PIS	20 0		N/A
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
mile unli	100	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- A	TIEL IN	re area
Supplemen	tary information:				
The Children	1/2 -1/2			The STATE OF THE	WITE WILL

6.2.3.2	TABLE: Determi	nation of resistive PIS	t let let let	N/A
Location		Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
400 m	20, 20,	The state state	LITE MILE WILL W	r, 45, 41

Supplementary information:

All circuits are considered as resistive PIS;

A combination of voltmeter, VA and ammeter IA may be used instead of a wattmeter.

If a separate voltmeter and ammeter are used, the product of (VA x IA) is used to determine Resistive PIS classification.

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

8.5.5	TABLE: High p	ressure lamp	white with w	1. 24. 24.	N/A
Lamp manufacturer		Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
- me	4. 2. 2	I A SEE	THE OUTER MITE	White-Mark	Why - Mr.
Supplemen	tary information:				
24, 24	- 2n	· · · · · · ·	ART OF JULY	all water of	15. 24. 24



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

9.6	TABLE	E: Temper	ature mea	suren	nent	s for wirele	ess power	transmitte	ers		N/A
Supply voltag	ge (V).				. ,	et with	N. C.L.T.E.	NALTE WI	The Mark		_
Max. transmi	t powe	er of transn	nitter (W)		ahri	. 7,	2,		et de		
	w/o receiver and direct contact					eiver and contact	with recei	with receiver an			
Foreign obje	ects	Object (°C)	Ambient (°C)	Obje (°C		Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	1	Ambient (°C)
in the wall	7	Vr M.	70,	<u>.</u>		/e/	dt 56t	- LTER	12 - W		Marin.
Supplementa	ry info	rmation:									
all with	11/2	- UI	-a, ,	· ·		A	- 11	All S	JE LT	· .	10° 2

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Tem	perature m	easurem	ents	WALTER.	MUTER MU	TEK WATER	The Popular
Supply volta	ge (V)		:	1)	2)	3)	anii u	_
Ambient tem	perature durin	g test $T_{ m amb}$ ((°C):	See below	See below	NLIFE ON	_	
Maximum m	easured tempe	erature <i>T</i> of	part/at:		Allowed T _{max} (°C)			
Battery		/ &A	146	26.7	31.3	31.1	7/1	Ref.
Battery wire	in a	25.8	27.8	27.1	E TIEF	80		
PCB near U1				29.0	40.0	38.5	-1n	130
PCB near U	2.1 , 1/1.	an an		32.6	62.9	55.0	- CLIEF N	130
DC terminal	et et	JEK JE	it will	28.7	36.8	35.0		77
Internal wire	11/2 11	- 711		25.3	28.7	27.9	Uliter Mi	80
Enclosure in	side near batte	ery	MILITA	27.0	25.6	27.5	A 18	Ref.
Enclosure o	utside near bat	ttery	, t	26.7	25.1	26.8	C WALL	48
Button	LIEN CLIER	WITE W	NITE OF	25.4	25.1	26.6	4 - 4+	48
Ambient			A 3	25.0	25.0	25.0	71/5- 1	10 - 10
Temperature winding:	e T of	t ₁ (°C)	$R_1(\Omega)$	t ₂ (°C)	$R_2\left(\Omega\right)$	T (°C)	Allowed T _{max} (°C)	Insulation class
- ,+ ,	y LEF .	56th 156th	White	21/2- 21/		- 20		<u> </u>

Supplementary information:

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

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

1. Test 1) Off mode, charging empty battery by 5VDC;

Test 2) Only discharge with internal fully battery;

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



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Clause	Requirement – Test	Result – Remark	Verdict				

Test 3) Normal working by 5VDC source.

B.2.5	T	ABLE: Inp	out test	er s	Et JIE	MALT	Mer	THE THE P
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
5.0Vdc ¹⁾		0.20	il anti	1.0	3.0	76 7	UEL O	Empty battery Only charge. Battery current: 0.198A
5.0Vdc ¹⁾	<u> </u>	0.16	WILLER	0.8	3.0	(h ')		Empty battery charge and EUT running. Battery current: 0.005A
4.2Vdc	NETEN	0.189	on it is an	0.79	-July		- TEX	Fully battery discharge. Battery current: 0.189A

Supplementary information:

¹⁾Supply by external DC source.

Input signal: 1k Hz

Normal condition, speaker 1/8 of max. output power: 4Ω , 0.657V, 0.108W;

Normal condition, speaker max. output power: 4Ω,1.86V, 0.86W.

B.3, B.4	ABLE: Abnor	mal operating	g and fau	It condit	ion tests	MULL MULL MULL	AL P		
Ambient temp	erature T _{amb} (°	°C)			: 25°C,	if not specified	_		
Power source	for EUT: Man	ufacturer, mo	del/type, d	outputrati	ng :	Mer Mur.	_		
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation	n		
Condition 1: C	nly charging v	with internal e	mpty batte	ery	20 20	L St St S	EX JEX		
U1 Pin 1-3	S-C	5Vdc ¹⁾	10mins	INITEIR J	0.025	Unit shut down immediately. No damage, no hazard. Recoverable.			
U2 Pin 1-2	S-C	5Vdc ¹⁾	10mins	ir -ani H	0.026	Unit shut down immed damage, no hazard. Recoverable.	diately. No		
Condition 2: O	nly discharge	with internal	fully batte	у	211 22	1 1 1	all de		
U1 Pin 1-3	S-C	4.20Vdc ²⁾	10mins	MILTER.	0.029	Unit shut down immed damage, no hazard. R			
U2 Pin 1-2	S-C	4.20Vdc ²⁾	10mins	LITE <mark>K</mark> W	0.036	Unit shut down immed damage, no hazard. Recoverable.	liately. No		
Speaker	Max. non- clipped output	4.20Vdc ²⁾	34min	WALTER	0.480	Normal operation work Enclosure outside nea 31.7°C Button: 26.0°C Ambient: 25.0°C			
Speaker	S-C	4.20Vdc ²⁾	10mins	MITTEL V	0.052	Unit speaker no voice damage, no hazard. Recoverable.	, no street		



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'n,	The Maria	mr vin vil	TEX WILL WALLER W	Wife Mrs. Mari	
	Clause	Requirement – Test	aller aller aller	Result – Remark	Verdict

Supplementary information:

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

Test table is provided to record abnormal and fault conditions for all applicable energy sources including Thermal burn injury. Column "Abnormal/Fault." Specify if test condition by indicating "Abnormal" then the condition for a C.0lause B.3 test or "Single Fault" then the condition for Clause B.4.

- 1) S-C: Short-circuited; O-L: Overloaded; BL=Blocked.
- 2) The test result shown all safeguards remained effective and didn't lead to a single fault condition during abnormal operating condition; In addition all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.
- 3) The test result showed no Class 1 or 2 energy source become Class 3 level during and after single fault condition.
- 4) Limit temperature: Plastic material: 58°C.

M.3	TABLE: Pr	otection circu	its f	or batteri	es provid	led w	vithin	the equ	ipment	20	Р	
Is it possible	to install the	battery in a re	vers	e polarity	position?.	:(all i	THE SLIEF	-	_	
					C	Charg	ging					
Equipment 9	Specification		Vo	ltage (V)					Current (A)			
		TEK JIE	۲ .	5 0	r. Mus		10	20, 0	.6 (Referenc	e)	z+	
		Battery specification										
		Non-recharge	able	batteries			Red	chargeab	le batteries			
		Discharging Unintentional		(Char	ging		Discharging		everse		
Manufacturer/type		current (A) charging current (A)			Voltage (V) Current (A)			ent (A)	current (A)		arging ent (A)	
Shenzhen baijiaying Technology Co., Ltd / BJY 503035		walie wali	LEK WATTER OF		4.2		Whi.	0.5	0.5		NUTER	
Note: The te	sts of M.3.2 a	re applicable o	nly v	when abov	e appropr	iate d	data i	s not ava	nilable.			
Specified ba	ttery tempera	ature (°C)				;	SEA.	LITER	10-45			
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp. (°C)		rrent A)	Voltage (V)	Obs	ervati	on	
Battery (charge base)	B- to P- SC	Charge	ITEK S	10 min	25	0.	198	4.2	Unit normal working. No damaged, no hazard.			
Battery (charge base)	B- to P- SC	Discharge		10 min	25	0.189		4.2	4.2 Unit norma No damage hazard.			

Supplementary information:

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



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Ġ	C. MUT.	Mist him the the	EN IEC 62368-1	I'E' MITE WALTE WALTE.	ancis and
	Clause	Requirement – Test	Vr. 211. 20	Result – Remark	Verdict

M.4.2	TABLE battery	Charging sa	feguards for	equipment c	onta	aining a se	econdary lithium	PA	
Maximum	specified	charging voltag	je (V)		ائ:	4.2	20, 20,	_	
Maximum	Maximum specified charging current (A)								
Highest s	pecified ch	arging tempera	ature (°C)	31	U.	45	The state of the s		
Lowest sp	pecified cha	arging tempera	ture (°C)		;6	10	WITE WALLE ON		
Battery		Operating		Measuremen	nt		Observation	n	
manufacturer/type		and fault condition	Charging voltage (V)	Charging current (A)		Temp. (°C)			
Lowest sp	ecified cha	arging temperat	ure: 10°C	et et		STEP STE	A CLIEB WILLIAM	Mr. M	
Shenzher baijiaying Technolo	gy Co.,	Normal	4.20	or or	ter	Battery mperature: 10°C	The battery charging currer decreases		
Ltd / BJY 503035		B- to P- SC	4.20	0	ter	Battery mperature: 10°C	The battery charging curre decreases		
Highest s	pecified ch	arging tempera	ture: 45°C	A 18	+	TEK J	LEK WITER WITER	WILLE.	
Shenzhen baijiaying Technology Co., Ltd / BJY 503035		Normal	4.20	THE LIFE	ter	Battery mperature: 45.5°C	The battery charging circuit stop charging		
		B- to P- SC	4.20	O STATES	ter	Battery mperature: 45.1°C	The battery charging circ stop charging		

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 intended for interconnection with building wiring (LPS) N/A							
Output Circuit	Condition	U _{oc} (V)	Time (s)	I _{sc} (A)		S (VA)		
Circuit	Condition			Meas.	Limit	Meas.	Limit	
- KEF	TER LITER CLIFER	WILL AUT	21/2 /	1. 2.	- \ .L	J	EX TEX	
Muse, Mu	24 24	A JET	TEK	LIER INLIE	WALLE OF	Vrie Alver	2/15 2	

Supplementary Information:

SC = short circuit, OC = open circuit

* Unit shutdown immediately, recoverable, no hazard.

T.2, T.3, T.4, T.5	TABLE: St	teady force te	st	100	unt with the text that the			
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation		



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Neierence No., Will 24D07 1045501	rage ou or or

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Clause	Requirement – Test				Result – Remark			b 1	Verdict	
ale .	211 211			کہ ک	ۍ ۴	¢		"Urc.	4100	7/15
	All TEX	LIEK OLIE		ans	200	20				
Suppleme	ntary information:									
at .	EET JEET N	IER WITE	witte.	all Co.	24	20,			.64	All C

T.6, T.9 TA	BLE: Impa	ct test							N/A	
Location/Part	Material	Thickness (mm)	m) Height (mm)			Observation				
INLIES WALT	Whi.	14. 24. 21		, et-	TEX-	TEK	NI EK	MITE	MILTE	
Supplementary	Supplementary information:									
WITE WALL	aner al	n 24. 24	*	et.	zet .	TEX.	JEE.	NITE.	JALA V	16

T.7 TA	ABLE: Drop	test	20, 4	N/A
Location/Part	Material	Thickness (mm)	Height (mm)	Observation
245 241	<u> </u>	- J	TEX - SITE	- WILL MULL MULL MULL MILL MILL
Supplementary	information:			
1/1 1/1	- L	at at a	of aller	write with me me in "
11 19	1.0	74	2	at the state of

T.8 TA	ABLE: Stress	s relief test	CTER S	CE TE	N/A		
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation		
INLLE WAL	Mari	n. 17	.tt	Z.	THE LIFE DUTER WITE WILL		
Supplementary information:							
Will William	WE WILL	14.		1	ex lex lies with mit of		

X TABLE: Alterna	tive method for determini	ng minimum clearances	s distances N/A
Clearance distanced between:	Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)
- m - m -	at let - liter with	WILL WALL MALL	m. m. m.
Supplementary information:			
Supplementary information:	s at the ste	NUT WILL WILL	n, n, n,



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Lang Maria	My My All	EN IEC 62368-1	TEX WALLEY WALLEY	STIFE MUST AUGUS
Clause	Requirement – Test	Net Mer M. M.	Result – Remark	Verdict

4.1.2	TABLE: Critical components information							
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹			
Enclosure	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	ANC180	V-0, 60°C, Min. Thickness 1.5mm	UL 94	UL E162823			
PCB	JINBAO ELECTRONICS (TONGLING) CO LTD	HRFR-4	V-0, 130°C	UL 94, UL 796	UL E212661			
Alternative	Interchangeable	Interchangeabl e	V-0, 130°C	UL 94, UL 796	UL			
Polymer Li- ion battery	Shenzhen baijiaying Technology Co., Ltd	BJY 503035	3.7V, 500mAh, 1.85Wh	IEC 62133- 2:2017	CNAS Report No.: ZKS220300 789-1			
Internal wires	Interchangeable	Interchangeabl e	Min. 28AWG, Min. 80°C, Min. 300V, VW-1	UL 758	UL			
Speaker	Interchangeable	Interchangeabl e	4Ω, 3W	EN IEC 62368- 1	Test with appliance			

Supplementary information:

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



Photo Documentation





Photo 1 Overall view



Photo 2 Overall view



Photo Documentation





Photo 3 Overall view

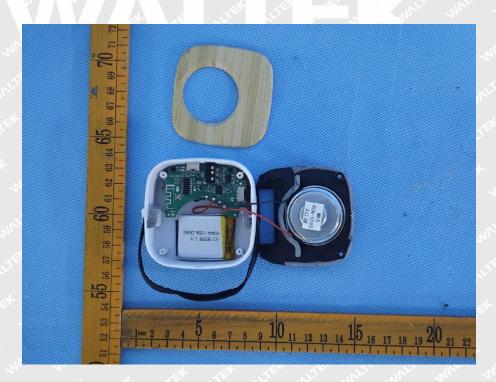


Photo 4 Internal view

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Photo Documentation





Photo 5 Internal view

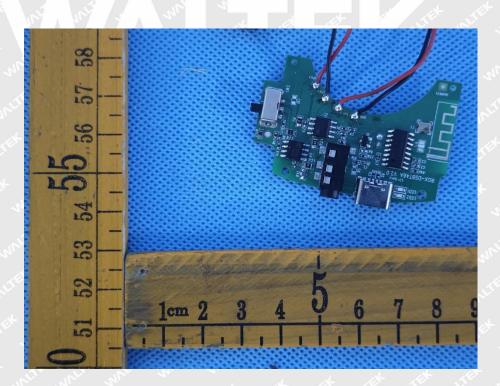


Photo 6 PCB view



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Photo Documentation

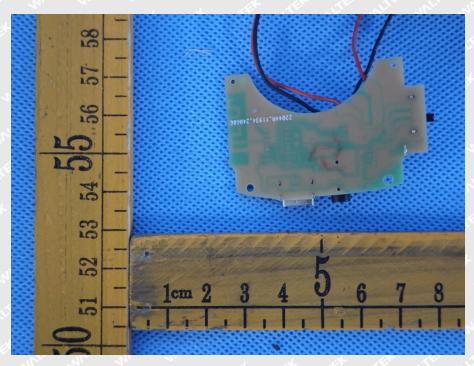


Photo 7 PCB view



Photo 8 Speaker view



Photo Documentation

Reference No.: WTF24D07164538Y





Photo 9 Battery view

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