Page 1 of 74

TEST REPORT EN 62368-1

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

Report Number....: LCSA10073185S

Date of issue: 2023-10-25

Total number of pages: 74

Name of Testing Laboratory

preparing the Report Shenzhen LCS Compliance Testing Laboratory Ltd.

Applicant's name: Mid Ocean Brands B.V.

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

Kowloon, Hong Kong

Test specification:

Standard: EN IEC 62368-1:2020+A11:2020

Test procedure....:: Type test

Non-standard test method.....: N/A

TRF template used: IECEE OD-2020-F1:2021, Ed.1.4

Test Report Form No.....: IEC62368_1E

Test Report Form(s) Originator....: UL(US)

Master TRF: Dated 2022-04-14

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General disclaimer:

The test results presented in this report relate only to the object tested.

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	ſ	Page 2 01 74	Report No.: LC5A100731655	
Test item description:	-11 / BZ 1/2	oo wireless charge stand		
Trade Mark:	N/A			
Manufacturer:	11462	8		
	/			
Model/Type reference:	MO96	92		
Ratings:	See la	bel		
Responsible Testing Laboratory (as	applical	ble), testing procedure	and testing location(s):	
		Shenzhen LCS Compliance Testing Laboratory Ltd.		
Testing location/ address	:		g A and Room 301, Building C, ianxueziwei, Shajing Street, en, Guangdong, China	
Prepared by	:	Richard Yi Project Handler	Richard 7i	
Checked by	:	Benson Kuai Reviewer	Benson Knai	
Approved by	可服是分 Sting Lab	Hart Qiu Technical Director	Hut Usi	



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List of Attachments (including a total number of pages in each attachment):

- Attachment No. 1: National Differences

- Attachment No. 2: Photo Documentation

Summary of testing:

Tests performed (name of test and test clause):

Electrical safety:

EN IEC 62368-1:2020+A11:2020

Testing location:

Shenzhen LCS Compliance Testing Laboratory Ltd. Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Summary of compliance with National Differences (List of countries addressed):

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES.

☐ The product fulfils the requirements of EN IEC 62368-1:2020+A11:2020

Statement concerning the uncertainty of the measurement systems used for the tests

Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

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

Statement not required by the standard used for type testing

When determining for test conclusion, measurement uncertainty of tests has been considered.

The determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.











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Copy of marking plate:

The artwork below may be only a draft.

MOB/MO9692 PO BOX 644 6710 BP (NL)

6710 BP (NL) Made in China PO41-133281 Frequency range: 110-205kHz Wireless Output power: 15W Max

Input:DC5V==2A/9V==2A

Output: DC5V --- 1A/7.5V --- 1A/9V --- 1.1A/9V --- 1.66A



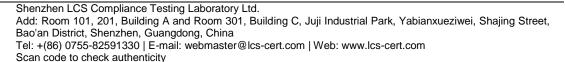
RoHS 🐲

Report No.: LCSA10073185S

Note:

1. The height of CE symbol \geq 5.0mm; the height of WEEE symbol \geq 7.0mm.







Test item particulars:	公测股份 公
Product group:	
Classification of use by:	☐ Ordinary person ☐ Children likely present
	Instructed person
	Skilled person
Supply connection:	☐ AC mains ☐ DC mains
	not mains connected:
Supply toloronos	☐ ES1 ☐ ES2 ☐ ES3 ☐ ±10%/-10%
Supply tolerance:	+20%/-15%
	+ % - %
	None (Not directly connected to the mains)
Supply connection – type:	pluggable equipment type A –
Var realisation (Var	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 directly connected to mains
Considered current rating of protective device:	☐ A;
device	Location:
Equipment mobility	N/A⋈ movable⋈ hand-held⋈ transportable
Equipment mobility:	☐ direct plug-in ☐ stationary ☐ for building-in
	wall/ceiling-mounted SRME/rack-mounted
	other:
Overvoltage category (OVC):	
,	OVC IV other: Not directly connected to
	mains
Class of equipment::	☐ Class II ☐ Class III
- 115	☐ Not classified ☐
Special installation location:	N/A ☐ restricted access area
D. H. Testing La	outdoor location
Pollution degree (PD):	
Manufacturer's specified T _{ma} :	25 °C Outdoor: minimum °C
IP protection class:	IPX0 □ IP
Power systems:	☐ TN ☐ TT ☐ IT - V _{L-L} ☐ not AC mains
Altitude during operation (m):	<u> </u>
Altitude of test laboratory (m):	
Mass of equipment (kg):	









Possible test case verdicts:	工活检测 Lab 工活检
- test case does not apply to the test object:	N/A 1/96 Tos Testin
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing:	
Date of receipt of test item:	2023-10-13
Date (s) of performance of tests:	2023-10-13 to 2023-10-25
General remarks:	. 112
Manufacturer's Declaration per sub-clause 4.2.5	5 of IECEE 02:
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	☐ Yes ☑ Not applicable
When differences exist; they shall be identified	in the General product information section.
Name and address of factory (ies)::	Same as the Manufacturer
General product information and other remark	is:
Product Description 1. The EUT is a Wireless Charger, class III eq 2. The maximum ambient temperature is 25°0	· -











Clause	Possible Hazard			
5	Electrically-caused injury			
			Cofoguardo	
Class and Energy Source (e.g. ES3: Primary circuit)	Body Part (e.g. Ordinary)	В	Safeguards S	R
ES1: All circuits (Max	Ordinary	N/A	N/A	N/A
input:9Vdc)				
6	Electrically-caused fire			
Class and Energy Source (e.g. PS2: 100 Watt circuit)	Material part (e.g. Printed board)		Safeguards	
PS2: <100 Watt circuit (Internal circuit)	PCB LCS Testing	Equipment safeguards (no ignition)	V-0	N/A
PS2: <100 Watt circuit (Internal circuit)	Combustible materials within equipment	Equipment safeguards (no ignition)	V-1 or better	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	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: Less than 7kg	Mass of the unit	N/A	N/A	N/A
MS1: Moving parts	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: Internal parts / circuits	Ordinary	N/A	N/A	N/A
TS1: Requirements for wireless power transmitters (Clause 9.6)	Specification of the foreign objects	N/A	N/A	N/A
TS1: Plastic enclosure outside (accessible area)	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 indicator light	Ordinary	N/A	N/A	N/A

Supplementary Information:

"B" – Basic Safeguard; "S" – Supplementary Safeguard; "R" – Reinforced Safeguard



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ENERGY SOURCE DIAGRAM

Optional. Manufacturers are to provide the energy sources diagram identify declared energy sources and identifying the demarcations are between power sources. Recommend diagram be provided included in power supply and multipart systems.

Insert diagram below. Example diagram designs are; Block diagrams; image(s) with layered data; mechanical drawings

 \boxtimes ES \boxtimes PS \boxtimes MS \boxtimes TS \boxtimes RS

LCS Testing Lab

YSA 立语检测股份 LCS Testing Lab LCS Testing Lab

Report No.: LCSA10073185S

立讯检测股份 LOS Testing Lab

15年 立洲检测股份 LCS Testing Lab

IST LCS Testing Lab





















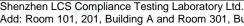
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	IEC 6230	68-1	
Clause	Requirement + Test	Result - Remark	Verdict
· 讯检测应La	b	古语检测 Balab	女讯检?

4	GENERAL REQUIREMENTS		I P
4.1.1	Acceptance of materials, components and subassemblies	See appended table 4.1.2	Р
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	股份 ng Lab
4.1.3	Equipment design and construction	Evaluation of safeguards regarding limiting the outputs to fulfill ES1 and protection in regard to risk of spread of fire, mechanical and thermal burn injury considered.	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	- n His	N/A
4.1.8	Liquids and liquid filled components (LFC)	于讯域 Malab	N/A
4.1.15	Markings and instructions	(See Annex F)	P
4.4.3	Safeguard robustness	No such safeguard used.	Р
4.4.3.1	General		N/A
4.4.3.2	Steady force tests		N/A
4.4.3.3	Drop tests	Required by client. (See Annex T.7)	Р
4.4.3.4	Impact tests	,	N/A
4.4.3.5	Internal accessible safeguard tests	No such safeguard.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	MSE LOSI	N/A
	Glass impact test (1J)		N/A
	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	(See Annex T.8)	Р
4.4.3.9	Air comprising a safeguard		N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness		N/A
4.4.4	Displacement of a safeguard by an insulating liquid	. 115	N/A
4.4.5	Safety interlocks	工枪测度节	N/A





Shenzhen LCS Compliance Testing Laboratory Ltd.

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
4.5	Explosion	Title in Date	P
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions.	Р
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	Р
	No harm by explosion during single fault conditions	(See Clause B.4)	Р
4.6	Fixing of conductors		N/A
	Fix conductors not to defeat a safeguard		N/A
1.0	Compliance is checked by test:	LIA位列	N/A
4.7	Equipment for direct insertion into mains socket	-outlets	N/A
4.7.2	Mains plug part complies with relevant standard:		N/A
4.7.3	Torque (Nm):		N/A
4.8	Equipment containing coin/button cell batteries	•	N/A
4.8.1	General	No coin/button cell battery used.	N/A
4.8.2	Instructional safeguard:		N/A
4.8.3	Battery compartment door/cover construction		N/A
三田检测股7	Open torque test	上 和检测股份	N/A
4.8.4.2	Stress relief test	LCS Testing	N/A
4.8.4.3	Battery replacement test		N/A
4.8.4.4	Drop test		N/A
4.8.4.5	Impact test		N/A
4.8.4.6	Crush test		N/A
4.8.5	Compliance		N/A
	30N force test with test probe		N/A
	20N force test with test hook		N/A
4.9	Likelihood of fire or shock due to entry of condu	ctive object	N/A
4.10	Component requirements	LCS TO	N/A
4.10.1	Disconnect Device		N/A
4.10.2	Switches and relays		N/A

5	ELECTRICALLY-CAUSED INJURY		Р
5.2	Classification and limits of electrical energy sources		Р
5.2.2	ES1, ES2 and ES3 limits	ES1	Р
5.2.2.2	Steady-state voltage and current limits:	(See appended table 5.2)	Р



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
5.2.2.3	Capacitance limits:	工 it to Testing Lab	N/A
5.2.2.4	Single pulse limits:	No such single pulses generated in the EUT or applied to it.	N/A
5.2.2.5	Limits for repetitive pulses:	No such repetitive pulses within the EUT	N/A
5.2.2.6	Ringing signals	No such ringing signals within the EUT	N/A
5.2.2.7	Audio signals	No such audio signals	N/A
5.3	Protection against electrical energy sources		N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	Only ES1 circuits within the EUT.	N/A
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits		N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors		N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit can be accessed for the EUT	N/A
	Accessibility to outdoor equipment bare parts		N/A
5.3.2.2	Contact requirements		N/A
可检测股份	Test with test probe from Annex V	对检测股 例	-
5.3.2.2 a)	Air gap – electric strength test potential (V):	ICS Testing	N/A
5.3.2.2 b)	Air gap – distance (mm):		N/A
5.3.2.3	Compliance		N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements		Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	Р
5.4.1.3	Material is non-hygroscopic	No hygroscopic material used.	Р
5.4.1.4	Maximum operating temperature for insulating materials:	(See appended table 5.4.1.4)	服化P
5.4.1.5	Pollution degrees	2 IST LCS Test	Р
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	Pollution degree 2 is applied. No insulating compound applied (however see 5.5.4).	N/A
5.4.1.5.3	Thermal cycling test	See above	N/A
5.4.1.6	Insulation in transformers with varying dimensions	No such transformer within the EUT	N/A
5.4.1.7	Insulation in circuits generating starting pulses	No such starting pulses within the EUT	N/A
5.4.1.8	Determination of working voltage:	一块测股 价	N/A







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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
5.4.1.9	Insulating surfaces	Title ing Lab	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	TE	N/A
5.4.1.10.2	Vicat test		N/A
5.4.1.10.3	Ball pressure test:		N/A
5.4.2	Clearances	Class III equipment, only functional insulations were considered. See also Annex B.4.4 for short circuit of functional insulation.	N/A
5.4.2.1	General requirements	古 古 开 拉 剂	N/A
180 L	Clearances in circuits connected to AC Mains, Alternative method	TSA LCS TO	N/A
5.4.2.2	Procedure 1 for determining clearance		N/A
	Temporary overvoltage:		_
5.4.2.3	Procedure 2 for determining clearance		N/A
5.4.2.3.2.2	a.c. mains transient voltage		_
5.4.2.3.2.3	d.c. mains transient voltage		
5.4.2.3.2.4	External circuit transient voltage		
5.4.2.3.2.5	Transient voltage determined by measurement:	立河河 Jab	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test:	100	N/A
5.4.2.5	Multiplication factors for clearances and test voltages		N/A
5.4.2.6	Clearance measurement		N/A
5.4.3	Creepage distances	Class III equipment, only functional insulations were considered. See also Annex B.4.4 for short circuit of functional insulation.	N/A
5.4.3.1	General	T Mills	N/A
5.4.3.3	Material group	The local section of the local	
5.4.3.4	Creepage distances measurement:		N/A
5.4.4	Solid insulation		N/A
5.4.4.1	General requirements		N/A
5.4.4.2	Minimum distance through insulation		N/A
5.4.4.3	Insulating compound forming solid insulation		N/A
5.4.4.4	Solid insulation in semiconductor devices	an HA	N/A
5.4.4.5	Insulating compound forming cemented joints	大河 松河 Bab	N/A







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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
5.4.4.6	Thin sheet material	Title and Lab	N/A
5.4.4.6.1	General requirements	, ros	N/A
5.4.4.6.2	Separable thin sheet material		N/A
	Number of layers (pcs):		N/A
5.4.4.6.3	Non-separable thin sheet material	No such insulation used within the EUT	N/A
	Number of layers (pcs):		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	女讯检测	N/A
5.4.4.7	Solid insulation in wound components	TCS 100	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)		N/A
	Alternative by electric strength test, tested voltage (V), K _R :		N/A
5.4.5	Antenna terminal insulation		N/A
5.4.5.1	General		N/A
5.4.5.2	Voltage surge test	115	N/A
5.4.5.3	Insulation resistance (MΩ):	上讯检测股 ^仍	N/A
LCS Testing	Electric strength test:	LCS Testing	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	No such insulation of internal wire as part of supplementary safeguard.	N/A
5.4.7	Tests for semiconductor components and for cemented joints		N/A
5.4.8	Humidity conditioning		N/A
	Relative humidity (%), temperature (°C), duration (h):		_
5.4.9	Electric strength test	二讯检测	N/A
5.4.9.1	Test procedure for type test of solid insulation:	157 LCS Test	N/A
5.4.9.2	Test procedure for routine test		N/A
5.4.10	Safeguards against transient voltages from external circuits		N/A
5.4.10.1	Parts and circuits separated from external circuits		N/A
5.4.10.2	Test methods		N/A
5.4.10.2.1	General		N/A
5.4.10.2.2	Impulse test:	_ 115	N/A
5.4.10.2.3	Steady-state test:	和 · 利 · 利 · · · · · · · · · · · · · · ·	N/A





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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
5.4.10.3	Verification for insulation breakdown for impulse test	LCS Testing Lab	N/A
5.4.11	Separation between external circuits and earth	No such connections for external circuit applied within the EUT	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	No such connections to external circuit as above.	N/A
5.4.11.2	Requirements		N/A
	SPDs bridge separation between external circuit and earth		N/A
_ 11	Rated operating voltage U _{op} (V):	古讯检测	_
1180 L	Nominal voltage U _{peak} (V):	15T LCS Tes	_
	Max increase due to variation ΔU_{sp} :		_
	Max increase due to ageing ΔU _{sa} :		_
5.4.11.3	Test method and compliance:		N/A
5.4.12	Insulating liquid		N/A
5.4.12.1	General requirements		N/A
5.4.12.2	Electric strength of an insulating liquid:		N/A
5.4.12.3	Compatibility of an insulating liquid:	1 绘测股份	N/A
5.4.12.4	Container for insulating liquid:	I No Testing Lan	N/A
5.5	Components as safeguards	1	N/A
5.5.1	General		N/A
5.5.2	Capacitors and RC units	No such component provided.	N/A
5.5.2.1	General requirement		N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:		N/A
5.5.3	Transformers	No such component provided.	N/A
5.5.4	Optocouplers	No such component provided.	N/A
5.5.5	Relays	No such component provided.	N/A
5.5.6	Resistors	No such component provided.	N/A
5.5.7	SPDs	No such component provided.	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable:	No such external circuits.	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment		N/A
	RCD rated residual operating current (mA):		_
5.6	Protective conductor	Class III equipment	N/A
5.6.2	Requirement for protective conductors	可绘测度份	N/A





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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
5.6	Protective conductor	Class III equipment, do not considered that it will connect to protective conductor.	N/A
5.6.2	Requirement for protective conductors		N/A
5.6.2.1	General requirements		N/A
5.6.2.2	Colour of insulation		N/A
5.6.3	Requirement for protective earthing conductors		N/A
	Protective earthing conductor size (mm²):		_
-	Protective earthing conductor serving as a reinforced safeguard	これ位別	N/A
181	Protective earthing conductor serving as a double safeguard	LCS Test	N/A
5.6.4	Requirements for protective bonding conductors		N/A
5.6.4.1	Protective bonding conductors		N/A
	Protective bonding conductor size (mm²):		_
5.6.4.2	Protective current rating (A):		N/A
5.6.5	Terminals for protective conductors		N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm):	10000000000000000000000000000000000000	N/A
LYN Testing L	Terminal size for connecting protective bonding conductors (mm)	LCS Testing La	N/A
5.6.5.2	Corrosion		N/A
5.6.6	Resistance of the protective bonding system		N/A
5.6.6.1	Requirements		N/A
5.6.6.2	Test Method:		N/A
5.6.6.3	Resistance (Ω) or voltage drop:		N/A
5.6.7	Reliable connection of a protective earthing conductor	. "	N/A
5.6.8	Functional earthing	立识位为	N/A
180 1	Conductor size (mm²):	Par real	N/A
	Class II with functional earthing marking:		N/A
	Appliance inlet cl & cr (mm):		N/A
5.7	Prospective touch voltage, touch current and pro	otective conductor current	N/A
5.7.2	Measuring devices and networks		N/A
5.7.2.1	Measurement of touch current		N/A
5.7.2.2	Measurement of voltage		N/A
5.7.3	Equipment set-up, supply connections and earth connections	立用检测股份	N/A



Shenzhen LCS Compliance Testing Laboratory Ltd.

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	IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict	118
5.7.4	Unearthed accessible parts:	Title implab	N/A	100 12 51171
5.7.5	Earthed accessible conductive parts:	100	N/A	
5.7.6	Requirements when touch current exceeds ES2 limits		N/A	
	Protective conductor current (mA):		N/A	
	Instructional Safeguard		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		N/A	
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	INSA 立语位为 LCS Test	N/A	
5.7.8	Summation of touch currents from external circuits		N/A	
	a) Equipment connected to earthed external circuits, current (mA):		N/A	
	b) Equipment connected to unearthed external circuits, current (mA):		N/A	
5.8	Backfeed safeguard in battery backed up supplie	es	N/A	
	Mains terminal ES		N/A	
极那段性	Air gap (mm)	10年11日2日	N/A	TILE!
Haring L	T TIME TO TESTING LAD	Till Taking Lab	1 THE	stin'
6	ELECTRICALLY- CAUSED FIRE		Р	

6	ELECTRICALLY- CAUSED FIRE		Р
6.2	Classification of PS and PIS		Р
6.2.2	Power source circuit classifications:	(See appended table 6.2.2)	Р
6.2.3	Classification of potential ignition sources		Р
6.2.3.1	Arcing PIS:		N/A
6.2.3.2	Resistive PIS:		Р
6.3	Safeguards against fire under normal operating and abnormal operating conditions		BU
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials:	(See appended table 5.4.1.4, 6.3.2, 9.3, B.2.6 and appended table B.3, B.4)	ng P
	Combustible materials outside fire enclosure:		N/A
6.4	Safeguards against fire under single fault conditions		Р
6.4.1	Safeguard method		Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		Р
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	16 测股份	Р





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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
6.4.3.1	Supplementary safeguards	工 ift to Testing Lab	TP
6.4.3.2	Single Fault Conditions:	I ree	P
	Special conditions for temperature limited by fuse		N/A
6.4.4	Control of fire spread in PS1 circuits		Р
6.4.5	Control of fire spread in PS2 circuits		Р
6.4.5.2	Supplementary safeguards		Р
6.4.6	Control of fire spread in PS3 circuits	No PS3 circuits.	N/A
6.4.7	Separation of combustible materials from a PIS		N/A
6.4.7.2	Separation by distance	二五位刊	N/A
6.4.7.3	Separation by a fire barrier	15 LCS Test	N/A
6.4.8	Fire enclosures and fire barriers	1	Р
6.4.8.2	Fire enclosure and fire barrier material properties		N/A
6.4.8.2.1	Requirements for a fire barrier		N/A
6.4.8.2.2	Requirements for a fire enclosure		Р
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier		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	· 讯检测度D	N/A
6.4.8.3.3	Top openings and properties	LCS Testins	N/A
	Openings dimensions (mm):	No openings	N/A
6.4.8.3.4	Bottom openings and properties		N/A
	Openings dimensions (mm):	No openings	N/A
	Flammability tests for the bottom of a fire enclosure		N/A
	Instructional Safeguard:		N/A
6.4.8.3.5	Side openings and properties		N/A
	Openings dimensions (mm):	No openings	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c):	THE LCS TOST	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating:		Р
6.4.9	Flammability of insulating liquid:		N/A
6.5	Internal and external wiring		Р
6.5.1	General requirements		Р
6.5.2	Requirements for interconnection to building wiring		N/A
6.5.3	Internal wiring size (mm²) for socket-outlets:	10 测度份	N/A







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	IEC 6236	8-1	
Clause	Requirement + Test	Result - Remark	Verdict
6.6	Safeguards against fire due to the conne	ction to additional equipment	TP

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	
7.2	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A
7.4	Use of personal safeguards or personal protective equipment (PPE)	N/A
	Personal safeguards and instructions:	_
7.5	Use of instructional safeguards and instructions	N/A
	Instructional safeguard (ISO 7010):	_
7.6	Batteries and their protection circuits	N/A

8	MECHANICALLY-CAUSED INJURY		Р
8.2	Mechanical energy source classifications		Р
8.3	Safeguards against mechanical energy sources		N/A
8.4	Safeguards against parts with sharp edges and c	orners	Р
8.4.1	Safeguards		N/A
A STILL RES	Instructional Safeguard	· · · · · · · · · · · · · · · · · · ·	N/A
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded (MS1).	I P
8.5	Safeguards against moving parts		N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	The meshing gears within the EUT are inaccessible. Moving parts is classified MS1.	N/A
	MS2 or MS3 part required to be accessible for the function of the equipment		N/A
	Moving MS3 parts only accessible to skilled person		N/A
8.5.2	Instructional safeguard		N/A
8.5.4	Special categories of equipment containing moving parts	Till Los Test	N/A
8.5.4.1	General		N/A
8.5.4.2	Equipment containing work cells with MS3 parts		N/A
8.5.4.2.1	Protection of persons in the work cell		N/A
8.5.4.2.2	Access protection override		N/A
8.5.4.2.2.1	Override system		N/A
8.5.4.2.2.2	Visual indicator		N/A
8.5.4.2.3	Emergency stop system	人—加段分	N/A







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	IEC 62368-1	T	
Clause	Requirement + Test	Result - Remark	Verdict
LCS Testing L	Maximum stopping distance from the point of activation (m)	TOS Testing Lab	N/A
	Space between end point and nearest fixed mechanical part (mm)		N/A
8.5.4.2.4	Endurance requirements		N/A
	Mechanical system subjected to 100 000 cycles of operation		N/A
	- Mechanical function check and visual inspection		N/A
	- Cable assembly:		N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	TO TIM 位测	N/A
8.5.4.3.1	Equipment safeguards	100	N/A
8.5.4.3.2	Instructional safeguards against moving parts:		N/A
8.5.4.3.3	Disconnection from the supply		N/A
8.5.4.3.4	Cut type and test force (N)		N/A
8.5.4.3.5	Compliance		N/A
8.5.5	High pressure lamps		N/A
and the	Explosion test	107-4A	N/A
8.5.5.3	Glass particles dimensions (mm)	古语位 plab	N/A
8.6	Stability of equipment	rce /e	N/A
8.6.1	General		N/A
	Instructional safeguard:		N/A
8.6.2	Static stability		N/A
8.6.2.2	Static stability test		N/A
8.6.2.3	Downward force test		N/A
8.6.3	Relocation stability		N/A
٠.	Wheels diameter (mm):	二五位刊	_
1194	Tilt test	LCS Test	N/A
8.6.4	Glass slide test		N/A
8.6.5	Horizontal force test		N/A
8.7	Equipment mounted to wall, ceiling or other struc	ture	N/A
8.7.1	Mount means type		N/A
8.7.2	Test methods		N/A
	Test 1, additional downwards force (N):		N/A
识检测股份	Test 2, number of attachment points and test force (N)	÷讯检测股份	N/A
	11.71	The state of the s	





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	IEC 62368-1	Report No.: LOOK Too	
Clause	Requirement + Test	Result - Remark	Verdict
Little imple	Test 3 Nominal diameter (mm) and applied torque (Nm)	TTHE LOS TESTING Lab	N/A
8.8	Handles strength		N/A
8.8.1	General		N/A
8.8.2	Handle strength test		N/A
	Number of handles		_
	Force applied (N):		_
8.9	Wheels or casters attachment requirements		N/A
8.9.2	Pull test	_ +- ==	N/A
8.10	Carts, stands and similar carriers	LES CS Test	N/A
8.10.1	General		N/A
8.10.2	Marking and instructions		N/A
8.10.3	Cart, stand or carrier loading test		N/A
	Loading force applied (N)		N/A
8.10.4	Cart, stand or carrier impact test		N/A
8.10.5	Mechanical stability		N/A
.nr.44	Force applied (N)	an lit	_
8.10.6	Thermoplastic temperature stability	女讯检测版 Lab	N/A
8.11	Mounting means for slide-rail mounted equipment	(SRME)	N/A
8.11.1	General		N/A
8.11.2	Requirements for slide rails		N/A
	Instructional Safeguard:		N/A
8.11.3	Mechanical strength test		N/A
8.11.3.1	Downward force test, force (N) applied:		N/A
8.11.3.2	Lateral push force test		N/A
8.11.3.3	Integrity of slide rail end stops	_ 44:	N/A
8.11.4	Compliance	I I I I I I I I I I I I I I I I I I I	N/A
8.12	Telescoping or rod antennas		N/A
	Button/ball diameter (mm):		_

9	THERMAL BURN INJURY	
9.2	Thermal energy source classifications	
9.3	Touch temperature limits	
9.3.1	Touch temperatures of accessible parts (See appended table 5.4.1.4, 6.3.2, 9.3, B.2.6)	N/A



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The state of the s		·		
IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
*V -//// D>-	- 1/2 - IIII D>- "	- 750 - IIII ISSO.		
9.3.2	Test method and compliance		N/A	
9.4	Safeguards against thermal energy sources		N/A	
9.5	Requirements for safeguards		N/A	
9.5.1	Equipment safeguard	The EUT is classified to TS1, is no need for equipment safeguard.	N/A	
9.5.2	Instructional safeguard		N/A	
9.6	Requirements for wireless power transmitters		Р	
9.6.1	General		Р	
9.6.2	Specification of the foreign objects		Р	
9.6.3	Test method and compliance	(See table 9.6)	Р	

10	RADIATION		Р
10.2	Radiation energy source classification		Р
10.2.1	General classification	LED only used for indicating classified as RS1.	Р
	Lasers:		_
- II	Lamps and lamp systems:	- 113	_
讯检测版	Image projectors:	古讯位测度DingLab	
CS Testin	X-Ray:	LCS Testin	_
	Personal music player:		
10.3	Safeguards against laser radiation	•	N/A
	The standard(s) equipment containing laser(s) comply:		N/A
10.4	Safeguards against optical radiation from lamps and lamp systems (including LED types)		N/A
10.4.1	General requirements		N/A
. — 1	Instructional safeguard provided for accessible radiation level needs to exceed	工工讯检测	N/A
1/8/1	Risk group marking and location:	To I Co	N/A
	Information for safe operation and installation		N/A
10.4.2	Requirements for enclosures		N/A
	UV radiation exposure:		N/A
10.4.3	Instructional safeguard:		N/A
10.5	Safeguards against X-radiation		N/A
10.5.1	Requirements		N/A
可检测股下	Instructional safeguard for skilled persons:	加股份	



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Clause	Requirement + Test	Result - Remark	Verdict
10.5.3	Maximum radiation (pA/kg):	Till Emplan	_
10.6	Safeguards against acoustic energy sources	100	N/A
10.6.1	General		N/A
10.6.2	Classification		N/A
	Acoustic output L _{Aeq,T} , dB(A)		N/A
	Unweighted RMS output voltage (mV):		N/A
	Digital output signal (dBFS):		N/A
10.6.3	Requirements for dose-based systems		N/A
10.6.3.1	General requirements	上 訊 检测	N/A
10.6.3.2	Dose-based warning and automatic decrease	LCS Test	N/A
10.6.3.3	Exposure-based warning and requirements		N/A
	30 s integrated exposure level (MEL30):		N/A
	Warning for MEL ≥ 100 dB(A):		N/A
10.6.4	Measurement methods		N/A
10.6.5	Protection of persons		N/A
	Instructional safeguards:		N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	古田检测股份	N/A
10.6.6.1	Corded listening devices with analogue input	LCS Testino	N/A
	Listening device input voltage (mV):		N/A
10.6.6.2	Corded listening devices with digital input		N/A
	Max. acoustic output $L_{Aeq,T}$, dB(A):		N/A
10.6.6.3	Cordless listening devices		N/A
	Max. acoustic output $L_{Aeq,T}$, dB(A):		N/A

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		及代P a Lab
B.1	General No. 100 No. 10	LCS Tes	Р
B.1.5	Temperature measurement conditions	(See appended table 5.4.1.4, 6.3.2, 9.3, B.2.6 and appended table 9.3)	Р
B.2	Normal operating conditions		Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	Р
	Audio Amplifiers and equipment with audio amplifiers:	Not such equipment.	Р
B.2.3	Supply voltage and tolerances	Rated voltage	- RM



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Clause	Requirement + Test	Result - Remark	Verdict
B.2.5	Input test:	(See appended table B.2.5)	P
B.3	Simulated abnormal operating conditions	1000	N/A
B.3.1	General		N/A
B.3.2	Covering of ventilation openings		N/A
	Instructional safeguard:		N/A
B.3.3	DC mains polarity test	The EUT is not connected to a D.C. mains	N/A
B.3.4	Setting of voltage selector	No voltage selector used.	N/A
B.3.5	Maximum load at output terminals	- A	N/A
B.3.6	Reverse battery polarity	Tiff Test	N/A
B.3.7	Audio amplifier abnormal operating conditions	100	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions:		N/A
B.4	Simulated single fault conditions		Р
B.4.1	General		Р
B.4.2	Temperature controlling device	No such device used	N/A
B.4.3	Blocked motor test	No motor used	N/A
B.4.4	Functional insulation	See below.	P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards used.	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4 for faults on electronic components)	Р
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	P 吸份
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, no any flame occurred.	Р
B.4.9	Battery charging and discharging under single fault conditions		N/A
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV rac	diation	N/A







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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
C.1.2	Requirements	Till Tasting Lab	N/A
C.1.3	Test method	reele	N/A
C.2	UV light conditioning test		N/A
C.2.1	Test apparatus:		N/A
C.2.2	Mounting of test samples		N/A
C.2.3	Carbon-arc light-exposure test		N/A
C.2.4	Xenon-arc light-exposure test		N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	~ 檢測	N/A
D.2	Antenna interface test generator	VST ICS Test	N/A
D.3	Electronic pulse generator	7	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAINII	NG AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audio	signals	N/A
	Maximum non-clipped output power (W):		
	Rated load impedance (Ω):		
	Open-circuit output voltage (V):		
-m 83 47	Instructional safeguard:	-all BG (f)	_
E.2	Audio amplifier normal operating conditions	Till Maring Lab	N/A
ree / s	Audio signal source type:	resto	_
	Audio output power (W):		
	Audio output voltage (V):		
	Rated load impedance (Ω):		_
	Requirements for temperature measurement		N/A
E.3	Audio amplifier abnormal operating conditions		N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND I SAFEGUARDS	NSTRUCTIONAL	P 股份
F.1 VS	General	UST CS Test	Р
1	Language:	English version provided and checked.	_
F.2	Letter symbols and graphical symbols		Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	Р
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	Р
	D A TAND DO Lab	7010.	上田恒







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İ	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
F.3	Equipment markings	Titl A in Beauting Lab	P
F.3.1	Equipment marking locations	The required marking is located on the product is easily visible.	Р
F.3.2	Equipment identification markings	See copy of marking plate.	Р
F.3.2.1	Manufacturer identification:	See copy of marking plate.	
F.3.2.2	Model identification:	See page 2 for details.	_
F.3.3	Equipment rating markings		Р
F.3.3.1	Equipment with direct connection to mains		N/A
F.3.3.2	Equipment without direct connection to mains	工讯位为	ng LP
F.3.3.3	Nature of the supply voltage:	See copy of marking plate.	
F.3.3.4	Rated voltage:	See copy of marking plate.	
F.3.3.5	Rated frequency:		
F.3.3.6	Rated current or rated power:	See copy of marking plate.	_
F.3.3.7	Equipment with multiple supply connections		N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices		N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	No such devices on the equipment	N/A
F.3.5.2	Switch position identification marking:	No switch used.	N/A
F.3.5.3	Replacement fuse identification and rating markings:	No such component used.	N/A
	Instructional safeguards for neutral fuse:		N/A
F.3.5.4	Replacement battery identification marking:		N/A
F.3.5.5	Neutral conductor terminal	See below.	N/A
F.3.5.6	Terminal marking location		N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	131 rce 100	N/A
F.3.6.1.1	Protective earthing conductor terminal:		N/A
F.3.6.1.2	Protective bonding conductor terminals:		N/A
F.3.6.2	Equipment class marking:		N/A
F.3.6.3	Functional earthing terminal marking:		N/A
F.3.7	Equipment IP rating marking:	IPX0.	
F.3.8	External power supply output marking:		N/A





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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	LCS Tes
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	P 股份 ng Lab
F.4	Instructions	remained legible.	P
	a).Information prior to installation and initial use		P
	b). Equipment for use in locations where children not likely to be present		N/A
	c). Instructions for installation and interconnection		Р
Li形检测股份	d). Equipment intended for use only in restricted access area	立形於測形形	N/A
ree 1	e). Equipment intended to be fastened in place	rce 1	N/A
	f). Instructions for audio equipment terminals		N/A
	g). Protective earthing used as a safeguard		N/A
	h) Protective conductor current exceeding ES2 limits		N/A
	i). Graphic symbols used on equipment		Р
	j). Permanently connected equipment not provided with all-pole mains switch		N/A
工工	k) Replaceable components or modules providing safeguard function	— 在评检测	N/A
1/8/1 L	l). Equipment containing insulating liquid	Ved ros	N/A
	m) Installation instructions for outdoor equipment		N/A
F.5	Instructional safeguards		N/A
G	COMPONENTS		Р
G.1	Switches		N/A
G.1.1	General	No switch used.	N/A
G.1.2	Ratings, endurance, spacing, maximum load		N/A
G.1.3	Test method and compliance	~ 测股份	N/A





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Clause	Requirement + Test	Result - Remark	Verdict
G.2	Relays	工讲检测 Date Testing Lab	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test		N/A
G.2.3	Relay controlling connectors supplying power to other equipment		N/A
G.2.4	Test method and compliance		N/A
G.3	Protective devices		N/A
G.3.1	Thermal cut-offs	No thermal cut-off used.	N/A
4	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	女用检测	N/A
1/8/1	Thermal cut-outs tested as part of the equipment as indicated in c)	Tea res	N/A
G.3.1.2	Test method and compliance		N/A
G.3.2	Thermal links		N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics		N/A
	b) Thermal links tested as part of the equipment		N/A
G.3.2.2	Test method and compliance	100	N/A
G.3.3	PTC thermistors	No PTC thermistor used.	N/A
G.3.4	Overcurrent protection devices	LCS Testing	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4		N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided		N/A
G.3.5.2	Single faults conditions:		N/A
G.4	Connectors		N/A
G.4.1	Spacings		N/A
G.4.2	Mains connector configuration:	T.A.	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	LCS TOS	N/A
G.5	Wound components		N/A
G.5.1	Wire insulation in wound components		N/A
G.5.1.2	Protection against mechanical stress		N/A
G.5.2	Endurance test		N/A
G.5.2.1	General test requirements		N/A
G.5.2.2	Heat run test		N/A
- AA:IIII 展生	Test time (days per cycle):	- 绘测股份	_
	163 - 171 HOLDE - 173		



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Clause	Requirement + Test	Result - Remark	Verdict
Lift Testing L	Test temperature (°C):	Till Testing Lab	
G.5.2.3	Wound components supplied from the mains	, res	N/A
G.5.2.4	No insulation breakdown		N/A
G.5.3	Transformers		N/A
G.5.3.1	Compliance method:		N/A
	Position:		N/A
	Method of protection:		N/A
G.5.3.2	Insulation		N/A
٠-	Protection from displacement of windings:	- 田位河	_
G.5.3.3	Transformer overload tests	151 LCS Test	N/A
G.5.3.3.1	Test conditions		N/A
G.5.3.3.2	Winding temperatures		N/A
G.5.3.3.3	Winding temperatures – alternative test method		N/A
G.5.3.4	Transformers using FIW	No such FIW	N/A
G.5.3.4.1	General		N/A
	FIW wire nominal diameter:		_
G.5.3.4.2	Transformers with basic insulation only	-all Bib (f)	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	Triff Draw Lab	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core		N/A
G.5.3.4.5	Thermal cycling test and compliance		N/A
G.5.3.4.6	Partial discharge test		N/A
G.5.3.4.7	Routine test		N/A
G.5.4	Motors		Р
G.5.4.1	General requirements	DC stepper motors used, model: 24BYJ48-5V.	BE (F)
VIST	STestiny IST CSTestiny	No test required.	Wa.
G.5.4.2	Motor overload test conditions		N/A
G.5.4.3	Running overload test		N/A
G.5.4.4.2	Locked-rotor overload test		N/A
	Test duration (days):		
G.5.4.5	Running overload test for DC motors	DC stepper motors used, model: 24BYJ48-5V.	N/A
		No test required.	
G.5.4.5.2	Tested in the unit	· T 检测胶力	N/A





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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
G.5.4.5.3	Alternative method	Title ming Lab	N/A
G.5.4.6	Locked-rotor overload test for DC motors	DC stepper motors used, model: 24BYJ48-5V. No test required.	N/A
G.5.4.6.2	Tested in the unit		N/A
	Maximum Temperature:		N/A
G.5.4.6.3	Alternative method		N/A
G.5.4.7	Motors with capacitors		N/A
G.5.4.8	Three-phase motors	. ~	N/A
G.5.4.9	Series motors	Till Test	N/A
132	Operating voltage:	Too.	_
G.6	Wire Insulation	1	N/A
G.6.1	General		N/A
G.6.2	Enamelled winding wire insulation		N/A
G.7	Mains supply cords	1	N/A
G.7.1	General requirements		N/A
	Туре:	115	_
G.7.2	Cross sectional area (mm² or AWG):	上语检测度(fi	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	LCS Testino	N/A
G.7.3.2	Cord strain relief		N/A
G.7.3.2.1	Requirements		N/A
	Strain relief test force (N):		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):		N/A
G.7.3.2.4	Strain relief and cord anchorage material		N/A
G.7.4	Cord Entry	· · · · · · · · · · · · · · · · · · ·	N/A
G.7.5	Non-detachable cord bend protection	1 Ce Lea	N/A
G.7.5.1	Requirements		N/A
G.7.5.2	Test method and compliance		N/A
	Overall diameter or minor overall dimension, <i>D</i> (mm):		_
	Radius of curvature after test (mm):		_
G.7.6	Supply wiring space		N/A
G.7.6.1	General requirements	an th	N/A
G.7.6.2	Stranded wire	大社位测版21ab	N/A







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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
G.7.6.2.1	Requirements	Title impa	N/A
G.7.6.2.2	Test with 8 mm strand	1000	N/A
G.8	Varistors		N/A
G.8.1	General requirements		N/A
G.8.2	Safeguards against fire		N/A
G.8.2.1	General		N/A
G.8.2.2	Varistor overload test		N/A
G.8.2.3	Temporary overvoltage test		N/A
G.9	Integrated circuit (IC) current limiters		N/A
G.9.1	Requirements	VST LCS Test	N/A
1	IC limiter output current (max. 5A)	1	_
	Manufacturers' defined drift:		
G.9.2	Test Program		N/A
G.9.3	Compliance		N/A
G.10	Resistors		N/A
G.10.1	General		N/A
G.10.2	Conditioning	ar (A)	N/A
G.10.3	Resistor test	工语位 ting Lab	N/A
G.10.4	Voltage surge test	TCS Test	N/A
G.10.5	Impulse test		N/A
G.10.6	Overload test		N/A
G.11	Capacitors and RC units	1	N/A
G.11.1	General requirements		N/A
G.11.2	Conditioning of capacitors and RC units		N/A
G.11.3	Rules for selecting capacitors		N/A
G.12	Optocouplers	_ 4A.W	N/A
TEL T	Optocouplers comply with IEC 60747-5-5 with specifics	LCS Tost	N/A
	Type test voltage V _{ini,a} :		_
	Routine test voltage, V _{ini, b} :		_
G.13	Printed boards		P
G.13.1	General requirements	See the following details.	Р
G.13.2	Uncoated printed boards		P
G.13.3	Coated printed boards	No coated printed board or multilayer board used.	N/A







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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
G.13.4	Insulation between conductors on the same inner surface	LCS Testing Lab	N/A
G.13.5	Insulation between conductors on different surfaces		N/A
	Distance through insulation:		N/A
	Number of insulation layers (pcs):		
G.13.6	Tests on coated printed boards		N/A
G.13.6.1	Sample preparation and preliminary inspection		N/A
G.13.6.2	Test method and compliance		N/A
G.14	Coating on components terminals	T.A.	N/A
G.14.1	Requirements	No coating on component terminals used.	N/A
G.15	Pressurized liquid filled components		N/A
G.15.1	Requirements	No pressurized liquid filled components used.	N/A
G.15.2	Test methods and compliance		N/A
G.15.2.1	Hydrostatic pressure test		N/A
G.15.2.2	Creep resistance test		N/A
G.15.2.3	Tubing and fittings compatibility test		N/A
G.15.2.4	Vibration test	立刊拉河 Lab	N/A
G.15.2.5	Thermal cycling test	rca .	N/A
G.15.2.6	Force test		N/A
G.15.3	Compliance		N/A
G.16	IC including capacitor discharge function (ICX)		N/A
G.16.1	Condition for fault tested is not required		N/A
	ICX with associated circuitry tested in equipment		N/A
	ICX tested separately		N/A
G.16.2	Tests	m to the	N/A
WEAT TO	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	LCS TOST	
	Mains voltage that impulses to be superimposed on:		
	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test:		_
G.16.3	Capacitor discharge test:		N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS		N/A
H.1	General	a Hà	N/A
H.2	Method A	古刊位河川 fiz hab	N/A





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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
H.3	Method B	Title Juntal	N/A
H.3.1	Ringing signal	100	N/A
H.3.1.1	Frequency (Hz):		_
H.3.1.2	Voltage (V)		_
H.3.1.3	Cadence; time (s) and voltage (V):		_
H.3.1.4	Single fault current (mA)::		_
H.3.2	Tripping device and monitoring voltage		N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	7.67	N/A
H.3.2.2	Tripping device	USC CSTest	N/A
H.3.2.3	Monitoring voltage (V):	1200	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUINSULATION	IT INTERLEAVED	N/A
J.1	General		N/A
	Winding wire insulation:		
	Solid round winding wire, diameter (mm):		N/A
. A : TILL	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	. A. 测度份	N/A
J.2/J.3	Tests and Manufacturing	立 Testing Lab	THE
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
	Instructional safeguard:		N/A
K.2	Components of safety interlock safeguard mech	anism	N/A
K.3	Inadvertent change of operating mode		N/A
K.4	Interlock safeguard override		N/A
K.5	Fail-safe Fail-safe		N/A
K.5.1	Under single fault condition	上田位刊	N/A
K.6	Mechanically operated safety interlocks	15 LCS Test	N/A
K.6.1	Endurance requirement		N/A
K.6.2	Test method and compliance:		N/A
K.7	Interlock circuit isolation		N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements		N/A
	In circuit connected to mains, separation distance for contact gaps (mm):		N/A
	In circuit isolated from mains, separation distance for contact gaps (mm):		N/A



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IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
£ > - (3×-	Electric strength test before and after the test of K.7.2	1.60-300/1877	N/A	
K.7.2	Overload test, Current (A):		N/A	
K.7.3	Endurance test		N/A	
K.7.4	Electric strength test		N/A	
L	DISCONNECT DEVICES		N/A	
L.1	General requirements		N/A	
L.2	Permanently connected equipment		N/A	
L.3	Parts that remain energized		N/A	
L.4	Single-phase equipment		N/A	
L.5	Three-phase equipment		N/A	
L.6	Switches as disconnect devices		N/A	
L.7	Plugs as disconnect devices		N/A	
L.8	Multiple power sources		N/A	
	Instructional safeguard:		N/A	
М	EQUIPMENT CONTAINING BATTERIES AND THE	EIR PROTECTION CIRCUITS	N/A	
M.1	General requirements		N/A	
M.2	Safety of batteries and their cells		N/A	
M.2.1	Batteries and their cells comply with relevant IEC standards:		N/A	
М.3	Protection circuits for batteries provided within the equipment		N/A	
M.3.1	Requirements		N/A	
M.3.2	Test method		N/A	
	Overcharging of a rechargeable battery	(See table B.4 and table Annex M)	N/A	
	Excessive discharging	(See table B.4 and table Annex M)	N/A	
	Unintentional charging of a non-rechargeable battery		N/A	
	Reverse charging of a rechargeable battery		N/A	
M.3.3	Compliance		N/A	
M.4	Additional safeguards for equipment containing a portable secondary lithium battery		N/A	
M.4.1	General		N/A	
M.4.2	Charging safeguards		N/A	
M.4.2.1	Requirements	一侧段份	N/A	



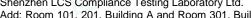


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Clause	Requirement + Test	Result - Remark	Verdict
M.4.2.2	Compliance ::	3.05 (104 15***	N/A
M.4.3	Fire enclosure:		N/A
M.4.4	Drop test of equipment containing a secondary lithium battery		N/A
M.4.4.2	Preparation and procedure for the drop test		N/A
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::		N/A
M.4.4.4	Check of the charge/discharge function		N/A
M.4.4.5	Charge / discharge cycle test		N/A
M.4.4.6	Compliance		N/A
M.5	Risk of burn due to short-circuit during carrying		N/A
M.5.1	Requirement		N/A
M.5.2	Test method and compliance		N/A
M.6	Safeguards against short-circuits		N/A
M.6.1	External and internal faults	Internal fault testing had been conducted on the cell as part of compliance with IEC62133-2: 2017	N/A
M.6.2	Compliance		N/A
M.7	Risk of explosion from lead acid and NiCd batter	ries Tresting Lab	N/A
M.7.1	Ventilation preventing explosive gas concentration		N/A
	Calculated hydrogen generation rate:		N/A
M.7.2	Test method and compliance		N/A
	Minimum air flow rate, Q (m ³ /h)		N/A
M.7.3	Ventilation tests		N/A
M.7.3.1	General		N/A
M.7.3.2	Ventilation test – alternative 1		N/A
	Hydrogen gas concentration (%):		N/A
M.7.3.3	Ventilation test – alternative 2		N/A
	Obtained hydrogen generation rate:		N/A
M.7.3.4	Ventilation test – alternative 3		N/A
	Hydrogen gas concentration (%):		N/A
M.7.4	Marking:		N/A
M.8	Protection against internal ignition from external spark sources of batteries with aqueous electrolyte		N/A
M.8.1	General		N/A
M.8.2	Test method	上海检测度 Vi	N/A





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V	IEC 62368-1	·	
Clause	Requirement + Test	Result - Remark	Verdict
M.8.2.1	General		N/A
M.8.2.2	Estimation of hypothetical volume V_Z (m ³ /s):		
M.8.2.3	Correction factors		
M.8.2.4	Calculation of distance d (mm):		
M.9	Preventing electrolyte spillage		N/A
M.9.1	Protection from electrolyte spillage		N/A
M.9.2	Tray for preventing electrolyte spillage		N/A
M.10	Instructions to prevent reasonably foreseeable misuse	Mentioned in user manual.	N/A
	Instructional safeguard:		N/A
N	ELECTROCHEMICAL POTENTIALS		N/A
	Material(s) used:		_
0	MEASUREMENT OF CREEPAGE DISTANCES AN	ID CLEARANCES	N/A
	Value of X (mm):		_
Р	SAFEGUARDS AGAINST CONDUCTIVE OBJECTS		N/A
P.1	General	No PS3 circuits	N/A
P.2	Safeguards against entry or consequences of en	try of a foreign object	N/A
P.2.1	General		N/A
P.2.2	Safeguards against entry of a foreign object		N/A
	Location and Dimensions (mm):		
P.2.3	Safeguards against the consequences of entry of a foreign object		N/A
P.2.3.1	Safeguard requirements		N/A
	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment		N/A
	Transportable equipment with metalized plastic parts:		N/A
P.2.3.2	Consequence of entry test:		N/A
P.3	Safeguards against spillage of internal liquids		N/A
P.3.1	General		N/A
P.3.2	Determination of spillage consequences		N/A
P.3.3	Spillage safeguards		N/A
P.3.4	Compliance		N/A
P.4	Metallized coatings and adhesives securing parts		N/A
P.4.1	General		N/A
P.4.2	Tests		N/A







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	IEC 62368-1		
Clause	Requirement + Test Resu	lt - Remark	Verdic
TVS# 4/11/1/1984	Conditioning, T _C (°C):	25 - IIII 13	_
	Duration (weeks):		
Q	CIRCUITS INTENDED FOR INTERCONNECTION WITH	BUILDING WIRING	Р
Q.1	Limited power sources		Р
Q.1.1	Requirements		Р
	a) Inherently limited output		N/A
	b) Impedance limited output		Р
	c) Regulating network limited output		N/A
	d) Overcurrent protective device limited output		N/A
	e) IC current limiter complying with G.9		N/A
Q.1.2	Test method and compliance:		Р
	Current rating of overcurrent protective device (A)		N/A
Q.2	Test for external circuits – paired conductor cable		N/A
	Maximum output current (A):		N/A
	Current limiting method:		
R	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General		N/A
R.2	Test setup		N/A
	Overcurrent protective device for test:		
R.3	Test method		N/A
	Cord/cable used for test:		—
R.4	Compliance		N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE		Р
S.1	Flammability test for fire enclosures and fire barrier may where the steady state power does not exceed 4 000 W		N/A
	Samples, material:		
	Wall thickness (mm):		_
	Conditioning (°C):		
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	- Material not consumed completely		N/A
	- Material extinguishes within 30s		N/A
	- No burning of layer or wrapping tissue		N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A







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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
	Samples, material:	. A IIII D	
	Wall thickness (mm):		_
	Conditioning (°C):		_
S.3	Flammability test for the bottom of a fire enclosu	re	N/A
S.3.1	Mounting of samples		N/A
S.3.2	Test method and compliance		N/A
	Mounting of samples:		
	Wall thickness (mm):		_
S.4	Flammability classification of materials	See Table 4.1.2 only.	Р
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W		N/A
	Samples, material:		_
	Wall thickness (mm):		_
	Conditioning (°C):		
Т	MECHANICAL STRENGTH TESTS		Р
T.1	General		N/A 👔
T.2	Steady force test, 10 N:	(See appended table T.2)	Р
T.3	Steady force test, 30 N:	(See appended table T.3)	Р
T.4	Steady force test, 100 N:		N/A
T.5	Steady force test, 250 N:		N/A
T.6	Enclosure impact test		N/A
	Fall test		N/A
	Swing test		N/A
T.7	Drop test:		N/A
T.8	Stress relief test:		N/A
T.9	Glass Impact Test:		N/A
T.10	Glass fragmentation test		N/A
	Number of particles counted		N/A
T.11	Test for telescoping or rod antennas		N/A
	Torque value (Nm):		N/A
U	MECHANICAL STRENGTH OF CATHODE RAY TU AGAINST THE EFFECTS OF IMPLOSION	BES (CRT) AND PROTECTION	N/A
U.1	General		N/A
	Instructional safeguard:		N/A





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Clause	Requirement + Test Result - Remark	Verdict
U.2	Test method and compliance for non-intrinsically protected CRTs	N/A
U.3	Protective screen	N/A
V	DETERMINATION OF ACCESSIBLE PARTS	Р
V.1	Accessible parts of equipment	Р
V.1.1	General	Р
V.1.2	Surfaces and openings tested with jointed test probes	Р
V.1.3	Openings tested with straight unjointed test probes	Р
V.1.4	Plugs, jacks, connectors tested with blunt probe	Р
V.1.5	Slot openings tested with wedge probe	N/A
V.1.6	Terminals tested with rigid test wire	N/A
V.2	Accessible part criterion	N/A
Х	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)	N/A
	Clearance:	N/A
Υ	CONSTRUCTION REQUIREMENTS FOR OUTDOOR ENCLOSURES	N/A
Y.1	General	N/A
Y.2	Resistance to UV radiation	N/A
Y.3	Resistance to corrosion	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:	N/A
Y.3.2	Test apparatus	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	N/A
Y.3.4	Test procedure:	N/A
Y.3.5	Compliance	N/A
Y.4	Gaskets Gaskets	N/A
Y.4.1	General	N/A
Y.4.2	Gasket tests	N/A
Y.4.3	Tensile strength and elongation tests	N/A
	Alternative test methods:	N/A
Y.4.4	Compression test	N/A
Y.4.5	Oil resistance	N/A
Y.4.6	Securing means	N/A
Y.5	Protection of equipment within an outdoor enclosure	N/A





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Clause	Requirement + Test	Result - Remark	Verdict
Y.5.1	General	1.50 - [B.50]	N/A
Y.5.2	Protection from moisture		N/A
	Relevant tests of IEC 60529 or Y.5.3:		N/A
Y.5.3	Water spray test		N/A
Y.5.4	Protection from plants and vermin		N/A
Y.5.5	Protection from excessive dust		N/A
Y.5.5.1	General		N/A
Y.5.5.2	IP5X equipment		N/A
Y.5.5.3	IP6X equipment		N/A
Y.6	Mechanical strength of enclosures	MST LCS Test	N/A
Y.6.1	General		N/A
Y.6.2	Impact test:		N/A



















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V		<u> </u>	·	
		IEC 62368-1		
Clause	Requirement + Test		Result - Remark	Verdict
A TIME A	[17]	(2)	~ = 1111 BG 177	

5.2	.2 TABLE: Classification of electrical energy sources							
Supply Voltage	Location (e.g.	Test conditions		F	Parameters	<u> </u>	ES Class	
vollage	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Oldoo	
9Vdc	All circuits	Normal	9Vdc		SS	DC	ES1	

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.

5.4.1.8 TA	ABLE: Working voltaç		N/A			
Location		RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Commo	ents
Supplementary	information:					

5.4.1.10.2 TABLE: Vicat s	TABLE: Vicat softening temperature of thermoplastics							
Method	VG -							
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softening (°C)					
Supplementary information:	·							

5.4.1.10.3	TABLE: Ball pressure test of thermoplastics							
Allowed impression diameter (mm)								
Object/Part No./Material		Manufacturer/trademark	Thickness (mm)				ression ter (mm)	
Supplementary information:								

5.4.2, 5.4.3 TAE	TABLE: Minimum Clearances/Creepage distance								
Clearance (cl) ar creepage distance (cr) at/of/between	ce	U _p (V)	U _{rms} (V)	Freq ¹⁾ (Hz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
T. T. Tang Lab		- ti	A检测 Beck	ab		正形检测的	g Lab-		- 七刑位



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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· ·			
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

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

5.4.4.2	TABLE: Minimum distance through insulation								
Distance through insulation (DTI) at/of		Peak voltage (V)	oltage (V) Insulation Required DTI (mm)		Mea	asured DTI (mm)			
Supplement	ary information:		·····································			顺股份			
江江	iff Tasting Lab	拉洲	sting Lab	工工	F. FILL	ting Lab			

5.4.4.9	TABLE: Solid insulation at frequencies >30 kHz							
Insulation m	aterial	E _P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)	
Supplement	ary information:							

5.4.9	TABLE: Electric strength tests				N/A
Test voltage	applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	_	eakdown es / No
		1			
Supplement	ary information:				

5.5.2.2	TABLE:	Stored discharge o	n capacitors				N/A	
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	E	S Class	
	人间接	B	公司 [] 任			ME A	11 BE 43	
Supplementary information: X-capacitors installed for testing:								
☐ bleeding	bleeding resistor rating:							
☐ ICX:	□ ICX:							
1) Normal o	1) Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit							

5.6.6	TABLE: Resistance of protective conductors and terminations					N/A
Location Test current Duration Voltage drop Res						sistance (Ω)
Tasting Lab						工工讲程



*



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		Fage 42 01 74	Report No	LC3A100731033
		IEC 62368-1		
Clause	Requirement + Test	- 12	Result - Remark	Verdict
Suppleme	entary information:	Hind ran	工 it	VS Tillia

5.7.4	TABLE	ABLE: Unearthed accessible parts					N/A
Location		Operating and	Supply	F	Parameters		ES
		fault conditions	Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	class
Supplementary information:							昭份

Abbreviation: SC= short circuit; OC= open circuit

5.7.5	TABLE: Earthed accessible conductive part				N/A
Supply volta	ge (V):				_
Phase(s)	·····:	[] Single Phase; [] Three F	Phase: [] Delta [] Wye	
Power Distri	bution System:	□ TN □ TT [□ IT		
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comm	ent
LAN Wing La	立	Hill Day	Tin 检测 Lab		世讯检测
Supplement	ary Information:	1/21	LCSTes	1/2	LCSTes

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
Supplement	tary inforr	nation:					
Abbreviation: SC= short circuit, OC= open circuit							
国检测股份							

6.2.2	TA	ABLE: Power source	circuit classifica	tions			Р
Location		Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class
Internal circuit		Normal condition			<100W	5s	PS2
Wireless Output 15W		Normal condition	9V	1.84	16.12	5s	PS2
Wireless Output		D7 SC	0	0	0	5S	PS1
Supplementary information:						女讯检	





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

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: Determination of Arcing PIS					N/A
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	ing PIS? es / No

Supplementary information:

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

6.2.3.2	5.2.3.2 TABLE: Determination of resistive PIS				
Location	Location Operating and fault condition Dissipate power (W) Arc				
Inte	rnal circuit				Yes

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

如松那	<u>}</u> {f}	加檢測股份	n ta T	加股份	-n 167
8.5.5	TABLE: High	h pressure lamp			N/A
Lamp ma	anufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
Supplem	entary information	n:			

9.6	TABLE	: Tempera	ture meas	urements	for wireles	ss power t	ransmitter	s	Р
Supply volta	ige (V)			:	公訓股份				_
Max. transm	nit power	of transmi	tter (W)	انتزا::	Testing Lab		V	ST IST	_
			eiver and contact	with receiver and direct contact		with receiver and at distance of 2 mm			ver and at of 5 mm
Foreign objects		Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
steel di	isc	26.4	26.1	26.4	25.3	26.1	26.1	27.5	25.4
aluminium	n ring	27.1	26.2	27.2	25.1	26.2	25.3	26.3	26.1
aluminium foil 28.6 25.2 26			26.9	25.0	26.5	25.1	27.1	25.8	
Supplementary information:				设份		1111	股份		





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V			·	
		IEC 62368-1		
Clause	Requirement + Test	100	Result - Remark	Verdict

I Lemperature Lot Winding:	verdict		Result - Remark								1651	tequirement a		Clause
5.4.1.4, 6.3.2, 9.3, B.2.6 Supply voltage (V)	立 讯检测		ia _{Pap}	位测F	世讯检				ab	·H检测股节	T T		Fap (1)	TiH检测股
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	PS	1							erature	BLE: Tempe	TA	6.3.2,		
Ambient T _{min} (°C)	_					d.c.	9V		:		ge (V)	Supply volta		
Tma (°C) Maximum measured temperature T of part/at: T (°C) PCB near U1&U2 PCB near U3 PCB near U4 53.6 PCB near U6 50.3 Wireless winding 66.7 Wooden shell surface 35.8 Ambient 25.0 Supplementary information: Temperature T of winding: t₁ (°C) R₁ (Ω) t₂ (°C) R₂ (Ω) T (°C) Allowed T _{max} (°C)	_						•		:		ո (°C)	Ambient T _{mir}		
Maximum measured temperature T of part/at: T (°C) PCB near U1&U2 59.3 <t< td=""><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>:</td><td colspan="3">Ambient T_{max} (°C)</td><td></td></t<>	_								:	Ambient T _{max} (°C)				
Maximum measured temperature T of part/at: T (°C) PCB near U1&U2 59.3 <t< td=""><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>:</td><td colspan="3">Tma (°C)</td><td></td></t<>	_								:	Tma (°C)				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Allowed T _{max} (°C)		T (°C)							Maximum measured temperature T of part/at:				
PCB near U4 53.6 PCB near U6 50.3 Wireless winding 66.7 Wooden shell surface 35.8 Ambient 25.0 Supplementary information: Temperature T of winding: t_1 (°C) R_1 (Ω) t_2 (°C) R_2 (Ω) T (°C) Allowed T _{max} (°C)	130	ST TCS Test	1				.3 *in9	59	(S)	PCB near U1&U2				
PCB near U6 50.3 Wireless winding 66.7 Wooden shell surface 35.8 Ambient 25.0 Supplementary information: Temperature T of winding: t_1 (°C) R_1 (Ω) t_2 (°C) R_2 (Ω) T (°C) Allowed T _{max} (°C)	130		12				.1	58	1-36-				J3	PCB near l
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	130					.6	53					J4	PCB near l	
	130).3		50					J6	PCB near l		
Ambient 25.0 Supplementary information:	130						.7	66				ng	indir	Wireless w
Supplementary information:	107						.8	35				surface	nell s	Wooden sh
Temperature T of winding: $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$.0	25						Ambient
Temperature 1 of winding.												/ information:	ntary	Supplemer
		Allowed T _{max} (°C)	T (°C)	(Ω)	R ₂ (9	(°C)	t ₂ ($R_1 (\Omega)$	F	t ₁ (°C)		of winding:	re T	Temperatu
	Tres.	1			rcs.	4/1/4	-				LA L			res
				-			-							

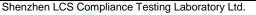
Supplementary information:

Note 1: Tma should be considered as directed by appliable requirement

Note 2: Tma is not included in assessment of Touch Temperatures (Clause 9)









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		IEC 62368-1		
Clause	Requirement + Test	-15	Result - Remark	Verdict

Testin			STESTEST	111.0	1/5/2	CS Testing		VISITE TESTE
B.2.5	TABL	E: Input t	est		100	,00		P
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
5.0Vdc		1.05	2.0	5.25				Wireless output 5W and motor working
9.0Vdc		0.98	2.0	8.82				Wireless output 7.5W and motor working
9.0Vdc	立语检测 LCS Testi	1.20	2.0	10.80	人拉测度力 S Testina Lab		VSI T	Wireless output 10W and motor working
9.0Vdc		1.96	2.0	17.64				Wireless output 15W and motor working

B.3, B.4	TABLE: Abnor	mal operatin	g and fau	ılt conditio	n tests		Р	
Ambient temp	erature T _{amb} (°0	C)			.: See beld	DW .		
Power source	for EUT: Manu	facturer, mod	lel/type, o	utputrating.	.: []	(F)	_	
Component N	o. Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation		
U1 Pin 3-6	SC	9Vdc	10mins			Unit shut down immediately, recoverable. After test, no damage, no hazard.		
Q1 Pin 1-3	SC	9Vdc	10mins			Unit shut down immediately, recoverable. After test, no damage, no hazard.		
D7	SC	9Vdc	10mins			Unit shut down immediately recoverable. After test, no damage, no hazard.		
C7	SC	9Vdc	10mins	STesting La		Unit shut down immerecoverable. After te damage, no hazard.	est, no	

Supplementary information:

- 1) SC: Short-circuited; OC: Over-charged; ED: Excessive-discharged
- 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.

M.3	TABLE: Protection circuits for batteries provided within the equipment	N/A
-----	--	-----





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		IEC 62368-1		
Clause	Requirement + Test		Result - Remark	Verdict
. 1777	157	. 47. 477	- art-477	

Is it possible t	to install the	battery in a re	vers	e polarity p	osition?		No	ing Lab	4	_	
			Charging								
Equipment S	pecification		Vo	Itage (V)			Current (A)				
		Battery specification									
		Non-rechargeable batteries					Rechargeable batteries				
		Discharging	_	ntentional	C	Char	ging		Discharging	Reverse	
Manufactu	urer/type	current (A) charging current (A)		Voltage (V) Curre		ent (A)	current (A)	charging current (A)			
一 七洲	拉测的Lab			女形	de-ling tob				女 在 讯 格	des entire	
Note: The tes	ts of M.3.2 a	re applicable o	nly v	vhen above	e appropri	ate c	lata is	not ava	ilable.		
Specified bat	tery tempera	ture (°C)				:					
Component No.	Fault condition	Charge/ discharge mo	Test time		Temp. (°C)		rrent A)	Voltage (V)	Obse	rvation	

Supplementary	information:
---------------	--------------

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

M.4.2	TABLE: battery	FABLE: Charging safeguards for equipment containing a secondary literatery ecified charging voltage (V)								
Maximum	specified cl	harging voltag	e (V)		.:		_			
Maximum	specified cl	harging curren	nt (A)		.:		_			
Highest specified charging temperature (°C):										
Lowest sp	ecified char	ging temperat	ture (°C)		.:					
Battery		Operating		Measurement		Observatio				
manufactu	rer/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)					
VS!	Little		-1/51	Line sing Lan		LES TEST	ing Lav			

Supplementary information:

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

Q.1	TABLE: Circuits inte	TABLE: Circuits intended for interconnection with building wiring (LPS)						
Output Circuit	Condition	11 (\/)	Time (c)	I _{sc}	(A)	S (VA)		
		U _{oc} (V)	Time (s)	Meas.	Limit	Meas.	Limit	





	Page 4					Report	No.: LCSA10	0073185S
			IEC 62368-1					
Clause	Requirement + Test				Result	- Remark		Verdict
A TILL RE TO		山湖野竹	73		./5	河股份		LA.T
Wireless Output 15W	Normal condition	9V	5s	15/1	.84	sting Lab	16.12	100
Wireless Output	D7 SC	0	5s		0	8	0	100
Supplement	ary Information:							
Abbreviation	n: SC= short circuit							

T.2, T.3, T.4, T.5	TABLE	TABLE: Steady force test						
Part/Locatio	n	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation	
							-	
Supplementary information:								

T.6, T.9	TABLE: Impact test						N/A
Location/par	t	Mate	erial	Thickness (mm)	Height (mm)	Observation	n
mar (f)			- 121 H		455	(5)	
Supplementa	ary informatior	າ: 女讯检					
LCS Tes		MST LCS TO		Me	LCSTE	7/3	LCSTO

T.7	TABLE: Drop	o test				N/A
Location/part		Material	Thickness (mm)	Height (mm)	Observation	on
Enclosure o	outside (Top)	See appended table 4.1.2	See appended table 4.1.2	1000	No damage, no ha	azardous.
Enclosure o	utside (Side)	See appended table 4.1.2	See appended table 4.1.2	1000	No damage, no ha	azardous.
Enclosure outside (Bottom)		See appended table 4.1.2	See appended table 4.1.2	1000	No damage, no hazardous	
Supplementa	ary information	1:			•	
Required by	client.					

T.8	TABLE: Stress relief test						
Location/Par	rt	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observ	vation
二五检测程的	þ		检测股切		股份		一二十位了





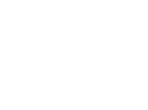


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V		•	· ·	
		IEC 62368-1		
Clause	Requirement + Test	-15	Result - Remark	Verdict

Supplementary information:

				1 1	N. Carlotte		
Χ	TABLE: Alternative method for determining minimum clearances distances N/A						
Clearance distanced Perbetween:		Peak of working voltage (V)	Required cl (mm)	Measure (mm			
Supplement	ary information:						















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	IEC 623	68-1	
Clause	Requirement + Test	Result - Remark	Verdict

R	equirement + Test		Resu	lt - Remark	Verdict
ΓABLE	: List of critical com	ponents	1 ST LCS	Learn	1 ST PSTE
part	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
shell	Interchangeable	Interchangeable	Metal, Min. thickness: 3.0mm	IEC/EN 62368-1	Tested with appliance
	SHENZHEN JIRUIDA CIRCUIT TECHNOLOGY .,LTD.	JRD-SR	V-0, 130°C	UL 796	UL E340032
	Γ ABLE part shell	part Manufacturer/ trademark shell Interchangeable SHENZHEN JIRUIDA CIRCUIT TECHNOLOGY	trademark shell Interchangeable Interchangeable SHENZHEN JIRUIDA CIRCUIT TECHNOLOGY	part Manufacturer/ trademark Type / model Technical data Shell Interchangeable Interchangeable Metal, Min. thickness: 3.0mm SHENZHEN JIRUIDA CIRCUIT TECHNOLOGY Type / model Technical data V-0, 130°C	part Manufacturer/ trademark Type / model Technical data Standard shell Interchangeable Interchangeable Metal, Min. thickness: 3.0mm SHENZHEN JIRUIDA CIRCUIT TECHNOLOGY Type / model Technical data Standard Metal, Min. thickness: 3.0mm V-0, 130°C UL 796

















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Attachment No.1

T CS Testing	IEC62368_1E	IEC62368_1E - ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict		

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

Attachment Form No...... EU_GD_IEC62368_1E

Attachment Originator: UL(Demko)

Master Attachment: 2021-02-04

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	CENELEC COMMON MO	DIFICATIONS (EN)			
	IEC 62368-1:2020+A11:20 those in the paragraph belo	s that are shaded light grey are clause references in EN 120. All other clause numbers in that column, except for ow, refers to IEC 62368-1:2018.			
	Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2018 are prefixed "Z".				
an th	Add the following annexes:	n#1	. 53		
立语检测版 LCS Testing Lab	Annex ZA (normative) Normative references to international publications with their corresponding European publications				
	Annex ZB (normative)	Special national conditions			
	Annex ZC (informative)	A-deviations			
	Annex ZD (informative) cords	IEC and CENELEC code designations for flexible			
1	Modification to Clause 3				
3.3.19	Sound exposure		Р		
	Replace 3.3.19 of IEC 623	68-1 with the following definitions:			



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上本 河川 野之 773	Attachment No.1	- TILL BE 177	IIII: a.
3.3.19.1	momentary exposure level, MEL	LCS Testing Lan	I Presti
r _{C2} ,	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.	103	I res.
	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.		
3.3.19.3	sound exposure, E		Р
- Ti	A-weighted sound pressure (p) squared and integrated over a stated period of time, T	女讯检测	股份 ng Lab
- Lo	Note 1 to entry: The SI unit is Pa^2 s.	LCS Testi	
	$E = \int_{0}^{1} p(t)^{2} dt$		
3.3.19.4	sound exposure level, SEL		Р
	logarithmic measure of sound exposure relative to a reference value, <i>E0</i> , typically the 1 kHz threshold of hearing in humans.		
立语检测股份	Note 1 to entry: SEL is measured as A-weighted levels in dB.	立语检测股份 LCS Testing Lab	工讯检测
rcs.	$SEL = 10 \lg \left(\frac{E}{E_0}\right)_{dB}$	103	I res
	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.		
3.3.19.5	digital signal level relative to full scale, dBFS		Р
<u></u>	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		股份 Lab
E	Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels. Because the definition of full scale is based on a sine wave, the level of signals with a crest factor lower than that of a sine wave may exceed 0 dBFS. In particular, square wave signals may reach +3,01 dBFS.	LEST TH 位剂	19 -
2	Modification to Clause 10		
10.6	Safeguards against acoustic energy sources		Р
	Replace 10.6 of IEC 62368-1 with the following:		
10.6.1.1	Introduction		Р
女讯检测股份	Safeguard requirements for protection against long-term exposure to excessive sound pressure	女讯检测股份	古话检测



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Attachment No.1

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 subway, at an airport, etc.).

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

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

NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.

NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose

measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as possible.

Listening devices sold separately shall comply with the requirements of 10.6.6.

These requirements are valid for music or video mode only.

The requirements do not apply to:

professional equipment;

NOTE 3 Professional equipment is equipment sold through special sales channels. All products sold through

normal electronics stores are considered not to be professional equipment.

- hearing aid equipment and other devices for assistive listening;
- the following type of analogue personal music players:
- · long distance radio receiver (for example, a multiband radio receiver or world band radio receiver, an AM radio receiver), and
- cassette player/recorder;

NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that



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Attachment No.1

- A - TIIII BX- 11	Attachment No.1	~ TIM BZ 17	اللقم
立河 Pesting La	within a few years it will no longer exist. This exemption will not be extended to other technologies.	Till Los Testing Lan	立洲型 LCS Testi
	 a player while connected to an external amplifier that does not allow the user to walk around while in use. 		
	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.		
	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply		验价
10.6.1.2	and measurement distances apply. Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	LCS Testi	ng Lab
113	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is drawn to EN 50360 and EN 50566.		
10.6.2	Classification of devices without the capacity to	estimate sound dose	PA
10.6.2.1	General	LCS Testing	LoPTest
	This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3.		
	For classifying the acoustic output <i>L</i> Aeq, <i>T</i> , measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.		
TE IT	For music where the average sound pressure (long term <i>L</i> Aeq, <i>T</i>) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, <i>T</i> becomes the duration of the song.	LCS Test	股份 ng Lab
	NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term <i>L</i> Aeq, <i>T</i>) 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		
立讯检测股份	the average sound pressure of the song does not exceed the required limit. For example, if the player is set with the	立讯检测股份 tingLab	立讯检测



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Attachment No.1

	Attachment No.1	A -	LA-1111
立 ith Testing La	programme simulation noise to 85 dB, but the	Title Land	工计位Testi
rca,	average music level of the song is only 65 dB, there is no need to give a warning or ask an	rca ,	I rea
	acknowledgement as long as the average sound		
	level of the song is not above the basic limit of 85		
	dB.		
10.6.2.2	RS1 limits (to be superseded, see 10.6.3.2)		Р
	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		
1	connector between the player and its listening		
1	device, or where the combination of player and listening device is known by other means such as		股份
_ 17	setting or automatic detection, the LAeq, T acoustic	古 开 沧州	ad Lab
WST L	output shall be ≤ 85 dB when playing the fixed	LCS Testi	,
7	"programme simulation noise" described in EN	7	
	50332-1.		
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		
	per 10.6.3.2.		
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	加股份	P
	RS2 is a class 2 acoustic energy source that does	Time Stating La	TIME
	not exceed the following:	100	100
	- 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>T</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		n. 114
	allows connection to a listening device for general	四位	BETW
	use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital	LCS Testi	ng La
	interface) when playing the fixed "programme	- Les	
	simulation noise" as described in EN 50332-1.		
10.6.2.4	RS3 limits		N/A
	RS3 is a class 3 acoustic energy source that		
	exceeds RS2 limits.		
10.6.3	Classification of devices (new)		
10.6.3.1	General		Р
	Previous limits (10.6.2) created abundant false		
	negative and false positive PMP sound level		
	warnings. New limits, compliant with The	一种测度 约	- La - TI
	Commission Decision of 23 June 2009, are given	Till Ing Lab	古话和



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Attachment No.1

0.6.3.2	0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	- 37 JULY 1 3D	- 7.11 JUL 17	
0.6.3.2	below.	II My wing	TLIVE	1119
	RS1 limits (new)	LCSTes	LCPTes	
	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>T</i> acoustic			
	output shall be ≤ 80 dB when playing the fixed			
	"programme simulation noise" described in EN			
	50332-1.		- 112	
	 for equipment provided with a standardized 	一种 一种	测路之773	
过过	connector (for example, a 3,5 phone jack) that	II III	sting Lan	
1/87 ro	allows connection to a listening device for general	134 rcs		
	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.			
0.6.3.3	RS2 limits (new)		Р	1
	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			
112	device, or where the combination of player and	U>	,	J
可检测股沙	listening device is known by other means such as	对检测报273	11	15
Lynna Lesting La	setting or automatic detection, the weekly sound	LCS Testing Lab	TIME	ĭ
rce ,	exposure level, as described in EN 50332-3, shall	rce .	Top.	N as
	be ≤ 80 dB when playing the fixed "programme		1	1.
	simulation noise" described in EN 50332-1. – for equipment provided with a standardized			
	connector (for example, a 3,5 phone jack) that			
	allows connection to a listening device for general			
	use, the unweighted r.m.s. output level, integrated			
	over one week, as described in EN50332-3, shall			
	be ≤ 15 mV (analogue interface) or -30 dBFS			
	(digital interface) when playing the fixed			
	"programme simulation noise" described in EN 50332-1.			
0.6.4	Requirements for maximum sound exposure	<u> </u>	au 化P	1
0.6.4.1	Measurement methods	拉洲位	ting Lab	-
Med Lo	STest LCSTest	LCS TO		
	All volume controls shall be turned to maximum			
	during tests.			
	Measurements shall be made in accordance with			
	EN 50332-1 or EN 50332-2 as applicable.			
0.6.4.2	Protection of persons			
	Except as given below, protection requirements for			
	parts accessible to ordinary persons, instructed			
	persons and skilled persons are given in 4.3.			
				1
-11 PC (1)	NOTE 1 Volume control is not considered a safeguard.	-11 P.C. (1)	and the same	NE A



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Page 56 of 74 Report No.: LCSA110822018S Attachment No.1 Between RS2 and an ordinary person, the basic safeguard may be replaced by an instructional safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the instruction manual. Alternatively, the instructional safeguard may be given through the equipment display during use. The elements of the instructional safeguard shall be as follows: IEC 60417-6044 element 1a: the symbol . (2011-01) element 2: "High sound pressure" or equivalent wording element 3: "Hearing damage risk" or equivalent wording - element 4: "Do not listen at high volume levels for long periods." or equivalent wording An **equipment safeguard** shall prevent exposure 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 A **skilled person** shall not be unintentionally exposed to RS3. Ρ

1	0.6.5	
1	0.6.5.	1

Requirements for dose-based systems

Personal music players shall give the warnings as

General requirements

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



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Ρ

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Attachment No.1

12 JULY 17	Attachment No.1	- TILL BX 17	/ IIII
LCS Testing Le	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.	LCS Testing Lau	LCS Testi
TE II	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car races, etc.	LCS Test	股份 ng Lab
10.6.5.2	Dose-based warning and requirements		Р
	When a dose of 100 % <i>CSD</i> is reached, and at least at every 100 % further increase of <i>CSD</i> , the device shall warn the user and require an acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1.		
10.6.5.3	The warning shall at least clearly indicate that listening above 100 % <i>CSD</i> leads to the risk of hearing damage or loss. Exposure-based requirements	有特別股份	Presti
LCS I	With only dose-based requirements, cause and effect could be far separated in time, defying the purpose of educating users about safe listening practice. In addition to dose-based requirements, a PMP shall therefore also put a limit to the short-term sound level a user can listen at. The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3. The EL settling time (time from starting level reduction to reaching target output) shall be 10 s or faster. Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface.	LCS TOST	LCS
10.6.6	NOTE In case the source is known not to be music (or test signal), the EL may be disabled. Requirements for listening devices (headphones)	earphones etc.)	⇒ P位测
TINVI ting La	inequirements for insterning devices (neadphones	o, earphones, etc.)	11111



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	Attachment No.1		
10.6.6.1	Corded listening devices with analogue input	Haring Lab	N/A
	With 94 dB LAeq acoustic pressure output of the listening device, and with the volume and sound settings in the listening 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, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV.		LCS
	NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.		
10.6.6.2	Corded listening devices with digital input	· · · · · · · · · · · · · · · · · · ·	ng LaiP
	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening 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, the $LAeq$, T acoustic output of the listening device shall be \leq 100 dB with an input signal	LCS Testi	n9
10.6.6.3	of -10 dBFS. Cordless listening devices		-
立讯检测股份 LCS Testing La	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 <i>L</i> Aeq, <i>T</i> acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	N位测股份 STesting Lab	TT讲位测 LCS Testi
10.6.6.4	Measurement method		Р
T	Measurements shall be made in accordance with EN 50332-2 as applicable.	立用检测 Tagasti	股价 ng Lab
3	Modification to the whole document		



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Attachment No.1

iff Testing Las	ist:	Note 1 and 0	1 4	Note 4 and 5	10001	Note 0	
	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	1
	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	
	5.4.2.3.2.4 Table 13	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	-
	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	则般份
TE ICS	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	ting Lab
	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	-
	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	1
	Y.4.5	Note					
- 10 star - 1	Modification	to Clause 1	B72.717		-11 ESE 111		
	Add the follow	uina noto:		WSG.	9762		N/A

5 Modification to 4.Z1	
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Attachment No.1

	Attachment No.1		
4.Z1	Add the following new subclause after 4.9: 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, to rely on dedicated overcurrent and short-circuit protection	THIS TESTING LAB	N/A
一则配价	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.		
6	Modification to 5.4.2.3.2.4	and All All All All All All All All All Al	
5.4.2.3.2.4	Add the following to the end of this subclause:	15	N/A
	The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.		
7	Modification to 10.2.1		
10.2.1	Add the following to c) and d) in table 39:		N/A
	For additional requirements, see 10.5.1.		

8 Modification to 10.5.1	
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Attachment No.1

	Attachment No.1				
10.5.1	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions:	LCS Testing Lab	/E	N/A	lu.
	In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.				
以是艾河	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.		TH THE	股份 ig Lab	
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm ² , at any point 10 cm from the outer surface of the apparatus.		102 100		
	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.				
立语检测股份	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE Z2 These values appear in Directive	工讯检测股份 CS Testing Lab	VS.	立讯管	200
	96/29/Euratom of 13 May 1996.		12		V
9	Modification to G.7.1				
G.7.1	Add the following note:			N/A	1
	NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.				

•	10	Modification to Bibliography		
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Attachment No.1

及到限分	Attachment No.1		/III
立河 wing Lar	Add the following notes for the standards indicated:		N/A
LCSTES	NSA LCS TO NSA LCS TO	Me	LCSTES
	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 61558-2-6 NOTE Harmonized as EN 61558-2-6.		
	IEC 61643-1 NOTE Harmonized as EN 61643-1.	-call E	马份
27 37	IEC 61643-21 NOTE Harmonized as EN 61643-21.	亞洲	a Lab
WSG C	IEC 61643-311 NOTE Harmonized as EN 61643-311.	estil	9
-1124 [0	IEC 61643-321 NOTE Harmonized as EN 61643-321.		
	IEC 61643-331 NOTE Harmonized as EN 61643-331.		
	TEC 01040-001 NOTE TRAINIONIZE as EN 01040-001.		
11	ADDITION OF ANNEXES		
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)		
4.1.15	Denmark, Finland, Norway and Sweden		N/A
	To the condition of the condition of the Condition		
	To the end of the subclause the following is		
	added: Class I pluggable equipment type A intended		
	for connection to other equipment or a		
LA TIM B及份	network shall, if safety relies on connection to		11115-04
古语 ^{阿里} ng Lah	reliable earthing or if surge suppressors		古讯和
LCS Testi	reliable earthing or if surge suppressors are connected between the network terminals	MS	LCS Test
	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"		nuk
. 41		可检测	Z III
江江	stikkontakt"	Testin	a ran
1/30 rc	In Sweden : "Apparaten skall anslutas till jordat	i刊位测 CS Testin	
	uttag"		



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	Attachment No.1		
4.7.3	United Kingdom	CS Testing	N/A
	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		
5.2.2.2	Denmark		N/A
	After the 2nd paragraph add the following:		
_ +17	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.	拉哥拉那	设价 a Lab
5.4.11.1	Finland and Sweden	MST LCS Test	N/A
and Annex G	To the end of the subclause the following is added:		
	For separation of the telecommunication network from earth the following is applicable:		
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either • two layers of thin sheet material, each of which		
	 shall pass the electric strength test below, or one layer having a distance through insulation of 	人可提份	اللهة م
	at least 0,4 mm, which shall pass the electric strength test below.	CS Testing Lab	立语 ^{图 IS}
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that 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		
	 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), 	VST ICS TOSTI	受付 ig Lab
	and	1200	
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.		
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.		
一块测股份	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	一位测度份	



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Attachment No.1

Lar itt. Lar	Attachment No. I	F 14112 Tan	7-34/12
LCS Testing	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	CS Testing	
	the additional testing shall be performed on all the test specimens as described in EN 60384- 14;		
	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.		是份
5.5.2.1	Norway	· 开位 · ·	N/A
151 LCS	After the 3rd paragraph the following is added:	15T LCS TOSK	
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).		
5.5.6	Finland, Norway and Sweden		N/A
	To the end of the subclause the following is added:		
(A) 38 mm	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.	-mi RG 代	
5.6.1	Denmark	Till I'm Lab	N/A
LCS Testing	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:	CS Testino.	LCS Testin
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.		
5.6.4.2.1	Ireland and United Kingdom		N/A
TEA THE	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 mains plug.	LCS TOSTI	
5.6.4.2.1	France		N/A
	After the indent for pluggable equipment type A , the following is added: – in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A.		



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Attachment No.1

上:H拉河加Lab	Attachment No.1	上 讯检测 Lab	上田检测师
5.6.5.1	To the second paragraph the following is added:	CS Testino	N/A
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm ² to 1,5 mm ² in cross-sectional area.		
5.6.8	Norway		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.		
5.7.6	Denmark	7位测	N/A
TE ICS	To the end of the subclause the following is added:	LOS Testi	ig La
	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.		
5.7.6.2	Denmark		N/A
	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.		
5.7.7.1	Norway and Sweden		N/A
立洲检测股份 LCS Testing Lab	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.	上讲检测股份 Cos Testing Lab	立讯检测 LCS Testin
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.		
	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:	TET LOS TOSTI	度份 g Lab
in the	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing — 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)"	nr. (A)	
松测阳		THE THE PARTY OF T	



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Attachment No.1

- HIM Lab	Attachment No.1	Lab	一江河
LCS Testing	NOTE In Norway, due to regulation for CATV-installations, and 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.	CS Testins	LCS Testin
	Translation to Norwegian (the Swedish text will also be accepted in Norway):		
Ted Tos	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	THAT LCS Tosti	
	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."		
8.5.4.2.3	United Kingdom		N/A
工讯检测股份 LCS Testing Lab	Add the following after the 2 nd dash bullet in 3 rd paragraph:	上语检测股份 Los Testing Lab	
	An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.		
B.3.1 and	Ireland and United Kingdom		N/A
B.4	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,		
Teg res	rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met	LCS TOST	设(fi g Lab
G.4.2	Denmark		N/A
	To the end of the subclause the following is added:		
	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.		
拉河股份	CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect	一种那段份	اللازمد و



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Attachment No.1

上 沿河 Lab	Attachment No.1	- HE Lab	上语型malab
LCS Testins	contact is required according to the wiring rules shall be provided with a plug in accordance with	LCS Testins	LCS Testills
	standard sheet DK 2-1a or DK 2-5a.		
	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.		
	Mains socket outlets intended for providing power		
	to Class II apparatus with a rated current of 2,5 A		. 05
	shall be in accordance DS 60884-2-D1:2011		及切
拉拉	standard sheet DKA 1-4a.	拉	Fil Turing Lab
TO:	Other current rating socket outlets shall be in	184 1	05.
	compliance with Standard Sheet DKA 1-3a		
	or DKA 1-1c.		
	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		
	Justification:		
	Heavy Current Regulations, Section 6c		_
G.4.2	United Kingdom	公訓股份	N/A
立语原 Resting Lab	To the end of the subclause the following is added:	CS Testing Lab	4
	The plug part of direct plug-in equipment shall be		1
	assessed to BS 1363: Part 1, 12.1, 12.2, 12.3,		
	12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except		
	that the test of 12.17 is performed at not less than		
	125 °C. Where the metal earth pin is replaced by		
	an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.		
G.7.1	United Kingdom		N/A
J			IN/A
	To the first paragraph the following is added:		
	Equipment which is fitted with a flexible cable or		设份
	cord and is designed to be connected to a mains	_ +1	形位测 是价 CS Testing Lab
	socket conforming to BS 1363 by means of that	VISA	CS Testille
7	flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc.	122	
	(Safety) Regulations 1994, Statutory Instrument		
	1994 No. 1768, unless exempted by those		
	regulations.		
	NOTE "Standard plug" is defined in SI 1768:1994		
	and essentially means an approved plug		
	conforming to BS 1363 or an approved conversion		
	plug.		



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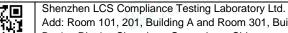
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Attachment No.1

	Attachment No.1		
G.7.1	Ireland Ics Testing	CS Testing	N/A
	To the first paragraph the following is added:		
G.7.2	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard Ireland and United Kingdom To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm² is allowed for equipment which is rated over 10 A	TST LCS Testin	N/A
	and up to and including 13 A.		
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	,	
10.5.2	Germany		N/A
	The following requirement applies: For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking. Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM. NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet:	T讲检测股份 Cos Testing Lab	立讯检测 LCS Test







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/ttuoimont itoi i			
IEC 62368_1E ATTACHMENT			
Clause Requirement + Test	-m BG 1/3	Result - Remark	Verdict

ZD	IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS (EN)			LCSTE
	Type of flexible cord	Code de	esignations	N/A
		IEC	CENELEC	
	PVC insulated cords			
	Flat twin tinsel cord	60227 IEC 41	H03VH-Y	
	Light polyvinyl chloride sheathed flexible cord	60227 IEC 52	H03VV-F H03VVH2-F	
	Ordinary polyvinyl chloride sheathed flexible cord	60227 IEC 53	H05VV-F H05VVH2-F	股份 ng Lab
	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	•		
	Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H	二田位
	Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	H03RV4-H	LCSTE
	Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H	
	Cords insulated and sheathed with halogen- free thermoplastic compounds			
	Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-F	
	Ordinary halogen-free thermoplastic insulated and sheathed flexible cords		H05Z1Z1-F H05Z1Z1H2-F	





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Overall View Details of:



External View Details of:





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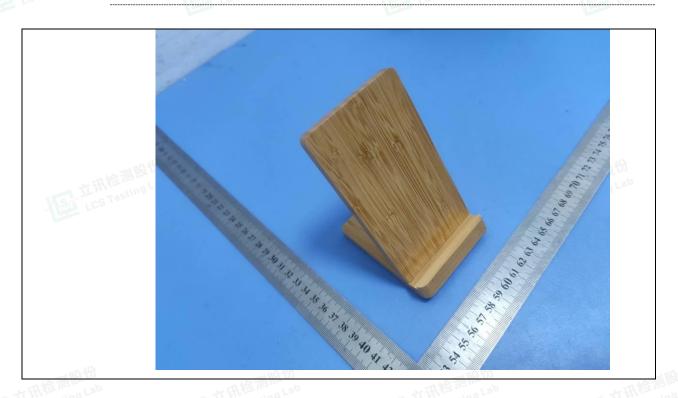
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Details of:

External View



Details of: **External View**







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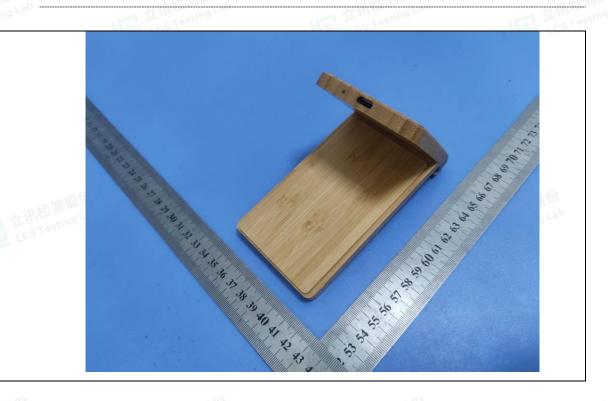


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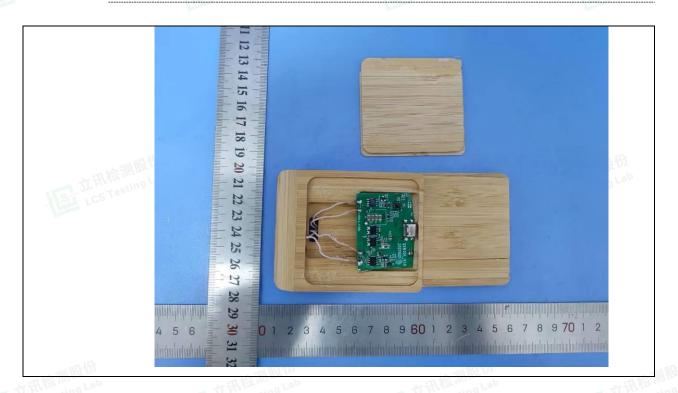
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Details of:

External View



Details of: Internal View









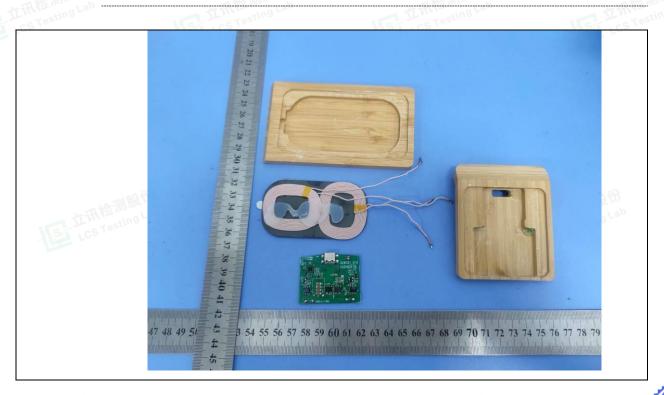
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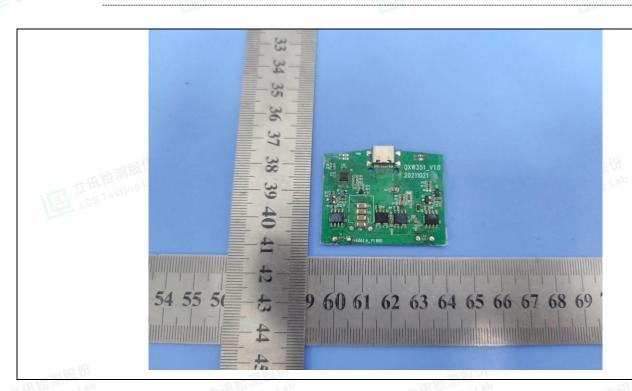
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Details of:

Internal View



Details of: PCB View





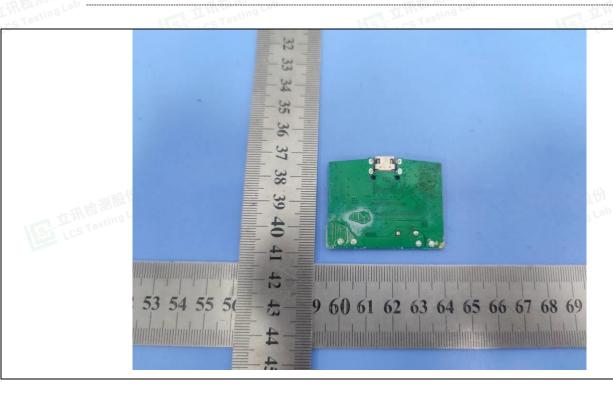


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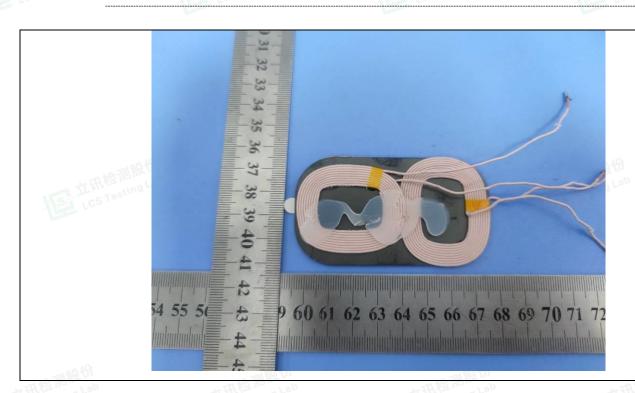
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Details of:

PCB View



Details of: Coil View



-----End of Test report-----

