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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 4706.113-2024

**Safety of household and similar electrical appliances - Part 113:
Particular requirements for wireless power appliances**

家用和类似用途电器的安全 第113部分：无线电源设备的特殊要求

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 General requirements	2
5 General conditions for testing	2
6 Categories	3
7 Markings and instructions	3
8 Protection against contact with live parts	4
9 Starting of electric appliances	5
10 Input power and current	5
11 Fever	5
12 Empty Chapter	5
13 Leakage current and electrical strength at operating temperature	5
14 Transient overvoltage	6
15 Moisture resistance	6
16 Leakage current and electrical strength	6
17 Overload protection of transformers and related circuits	7
18 Durability	7
19 Abnormal working conditions	7
20 Stability and mechanical hazards	7
21 Mechanical strength	7
22 Structure	8
23 Internal wiring	8
24 Components	8
25 Power connection and external cord	8
26 Terminal blocks for external wires	8
27 Grounding measures	8
28 Screws and connections	8
29 Clearances, creepage distances and solid insulation	9
30 Heat and flame resistance	9
31 Rust prevention	9
9 Reference	10

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is Part 113 of GB/T 4706 "Safety of Household and Similar Electrical Appliances". GB/T 4706 has been published as follows part.

1. General requirements;

2. Particular requirements for electric irons;

--- Part 121: Particular requirements for professional ice cream machines. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by China Light Industry Federation. This document is under the jurisdiction of the National Technical Committee for Standardization of Household Electrical Appliances (SAC/TC46). This document was drafted by: Qingdao Haier Intelligent Technology R&D Co., Ltd., Weikai Testing Technology Co., Ltd., China Household Electrical Appliances Research Institute, Qingdao Zhonghaihui Intelligent Source Technology Co., Ltd., Qingdao Product Quality Supervision and Inspection Institute, Nanjing Product Quality Supervision and Inspection Institute, Centre Testing International Group Co., Ltd., China Academy of Information and Communications Technology, Zhonghui Chuangzhi (Fuyang) Technology Co., Ltd., BSH Home Appliances Investment (China) Co., Ltd., the Fifth Electronic Research Institute of the Ministry of Industry and Information Technology, Philips (China) Investment Co., Ltd., Beijing Zhongheng Chuangwei Inspection Measurement Technology Research Institute, Shantou Tianji Electric Appliance Industry Co., Ltd., Xi'an Qing'an Refrigeration Equipment Co., Ltd., Beijing University of Posts and Telecommunications, Guangzhou Bao JIE LIMITED. The main drafters of this document are. Chen Cankun, Li Hongwei, Wang Binhou, Chen Xian'e, Li Li, Xu Fang, Liu Panchao, Wang Jie, Li Biao, Nie Shengyuan, Li Linghan, Liu Wei, Yuan Haiyan, Chen Jun, Xu Xiangbin, Wang Hongbo, Li Shufang, Sha Lu, Lü Quanbin, Mai Dong.

GB/T 4706 "Safety of Household and Similar Electrical Appliances" adopts most of IEC 60335. On this basis, GB/T 4706 refers to The structure of IEC 60335 is divided into several parts, consisting of general requirements and special requirements. Part 1 is general requirements, and the other parts are For products covered by special requirements, their safety requirements are general requirements used in combination with the special requirements. The requirements include supplements and modifications to the corresponding clauses in the general requirements to provide complete requirements for each product. This document is the protection requirements for electrical, mechanical, thermal, fire and radiation risks when the appliance is used normally in accordance with the instructions. This document also covers abnormal conditions that may occur during use and

considers how electromagnetic interference may affect the safe operation of the equipment. This document has taken into account the requirements specified in GB/T 16895 "Low Voltage Electrical Installations". The appliance is connected to the power supply in accordance with the electrical wiring rules. requirements are coordinated. If multiple functions of an appliance involve other parts of GB/T 4706, the other parts shall apply to the appliance separately as long as it is reasonable. Each function. If applicable, consider the impact of one function on other functions. When no additional requirements are given in other parts for hazards already included in this document, GB/T 4706.1 applies. GB/T 4706 is a standard covering appliance safety and takes precedence over general standards/horizontal standards covering the same subject. This document is used in conjunction with GB/T 4706.1-2024 "Safety of Household and Similar Electrical Appliances Part

1.General Requirements". The part marked "applicable" in the document indicates that GB/T 4706.1-2024 "Safety of Household and Similar Electrical Appliances - Part

1.General Requirements" The corresponding clauses in the "Requirements" shall apply to this document; for the parts marked "replace" in this document, the clauses in this document shall prevail; The "Add" part indicates that in addition to complying with the corresponding clauses in GB/T 4706.1-2024, the additional clauses in this document must also be complied with. Clause; The part marked "modified" in this document indicates that the corresponding clauses of GB/T 4706.1-2024 are modified. Safety of household and similar electrical appliances Part 113: Particular requirements for wireless power supply equipment

1 Scope

GB/T 4706.113-2024 is Part 113 of the Chinese household appliance safety series and covers wireless power appliances - inductive charging pads, in-furniture chargers and the transmitters built into kitchen surfaces. They raise hazards the general standard did not anticipate: a coin or key left on the pad heats without limit through induced eddy currents, the coupling changes if the receiver is misplaced, and the field itself must be limited for the people around it. The standard follows the clause structure of the general safety standard, setting the particular requirements for marking and instructions, protection against access to live parts, input and current, heating, leakage current and electric strength at operating temperature and after humidity, transient overvoltage, moisture resistance, transformer overload protection, abnormal operation, stability, mechanical strength, construction, internal wiring, components, terminals, earthing, creepage distances and resistance to heat and fire. It takes effect on 1 August 2026.

This chapter of GB/T 4706.1-2024 is replaced by the following. This document covers household and similar appliances with a rated voltage not exceeding 250 V for single-phase appliances and 480 V for other appliances Safety of wireless power devices for various

purposes. Appliances not intended for normal household use but which may nevertheless present a danger to the public, e.g. those intended to be used by non-professionals in shops, in light industry or on farms. Appliances used by professionals also fall within the scope of this document. Note

1. Such appliances are generally commercial catering equipment and cleaning appliances as well as appliances used in barber shops. As far as is practical, the common hazards presented by the various appliances covered by this document are those that are present in the home and its surroundings. However, in general, this document does not consider the following situations.

--- The following groups (including children). - due to physical, sensory or mental impairment; or - People who are unable to use the equipment safely without supervision or guidance due to lack of experience and knowledge.

--- Condition of children's play equipment. Note

2. Pay attention to the following.

--- For equipment intended for use in vehicles, ships or aircraft, additional requirements may be required.

--- Additional requirements that may be imposed on equipment by relevant national authorities. Note

3. This document does not apply to.

--- Appliances designed for industrial use;

--- Apparatus intended for use in special environments where there are often corrosive or explosive gases (such as dust, steam or methane);

--- Audio, video and similar electronic equipment (IEC 60065);

--- Medical electrical equipment (IEC 60601);

--- Hand-held electric tools (IEC 60745);

--- Personal computers and similar equipment (IEC 60950-1);

2 Normative references

GB/T 4706.1-2024 is applicable.

3 Terms and definitions

Except for the following contents, this chapter of GB/T 4706.1-2024 applies.