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

HJ 2506-2011

Replacing HJ/T 306-2006

**Technical requirement for environmental labeling products.
Color television broadcasting receivers
(English Translation)**

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Foreword

In order to implement the Environmental Protection Law of the People's Republic of China, reduce the carbon dioxide emissions of color TV broadcast receivers and reduce the number of products in production.

This standard is formulated for the impact on the environment and human health during production, use, recycling and reuse.

This standard applies to energy consumption, radiation, hazardous substances, environmental design, production process, recycling and re-processing of color TV broadcast receiver products.

Requirements for use, packaging materials and public information.

This standard has revised the "Technical Requirements for Environmental Labeling Products Color TV Broadcast Receiver" (HJ/T 306-2006), mainly the changes are as follows.

- Raise the requirements for energy consumption indicators;
- increased the requirements for radiation;

- Increased requirements for hazardous substances;
- increased requirements for recycled material content;
- Increased requirements for recycling and reuse;
- Increased carbon dioxide emissions calculation method.

Appendix A and Appendix B of this standard are informative annexes.

This standard applies to China Environmental Labeling Product Certification.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard is mainly drafted by. China-Japan Friendship Environmental Protection Center, China Household Electrical Appliances Research Institute, National Radio and TV Product Quality Supervision Inspection Center, Sichuan Changhong Electric Co., Ltd., Qingdao Hisense Electric Co., Ltd., Tianjin Samsung Electronic Display Co., Ltd.

Shenzhen TCL New Technology Co., Ltd., Qingdao Haier Electronics Co., Ltd., Nanjing Sharp Electronics Co., Ltd., Philips China Ltd., Blonde Technology Co., Ltd.

This standard was approved by the Ministry of Environmental Protection on March 2, 2011.

This standard has been implemented since April 1, 2011 and has replaced HJ/T 306-2006 since its implementation.

This standard is explained by the Ministry of Environmental Protection.

The previous versions of the standards replaced by this standard are.

--HJ/T 306-2006, HJ BZ 33-1999.

Environmental Labeling Products Technical Requirements Color TV Broadcasting Receiver

1 Scope of application

This standard specifies the terms and definitions, basic requirements, technical contents and inspection parties of environmental identification products for color television broadcast receivers.

law.

This standard applies to all types of screen size and display mode of color TV broadcast receivers, including cathode ray tube, liquid crystal, plasma A color television broadcast receiver as a display unit. The main function is TV TV display or monitoring equipment without tuner can refer to carried out.

2 Normative references

The contents of this standard refer to the terms in the following documents. For undated references, the valid version applies to this standard.

GB 5296.2 Instructions for use of consumer products - Part 2. Household and similar electrical appliances GB 8898-2001 Safety requirements for audio, video and similar electronic equipment GB 12021.7-2005 Color TV broadcast receiver energy efficiency limit value and energy saving evaluation value GB 24850 flat panel TV energy efficiency limit value and energy efficiency rating GB/T 18455 packaging recycling mark GB/T 2035-2008 plastic terminology and its definition GB/T 20861-2007 Waste product recycling terminology GB/T 23384 Recyclable logo for products and parts GB/T 24021-2001 Environmental Management Environmental Labeling and Declaration Self-Environment Statement SJ/T 11363 Limitation requirements for toxic and hazardous substances in electronic information products SJ/T 11364 Electronic Information Product Pollution Control Labeling Requirements

3 Terms and definitions

The following terms and definitions apply to this standard.

Color television broadcasting receiver Designed to receive, display, and play analog and/or digital color television broadcast signals transmitted over the ground, cable, satellite, or network Electronic products powered by power supplies.

Cathode ray tube television A color television broadcast receiver using a cathode ray tube as a display unit.

Flat panel television A television with a flat screen mainly includes a color television broadcast receiver using liquid crystal and plasma as display components.

Shutdown state off-mode the product is connected to the power supply and produces no image or sound, and cannot pass through the remote control, external signals or internal signals.

Convert to another state. (GB 12021.7-2005) 3.5 Passive standby mode passive standby mode the product is connected to the power supply and is in a waiting state. It produces neither sound nor image, and the user can use the direct or the room.

Connect the signal, for example using the remote control, to switch the product to the "Shutdown", "Active Standby" or "Power On" state. (GB 12021.7-2005) 3.6 Power on state the product is connected to a power supply and generates sound and/or images.

Energy efficiency index for color television the color TV energy efficiency index (hereinafter referred to as the energy efficiency index) is the power consumption of a color TV set under standard test conditions for 24 hours.

The ratio of the measured value (E measured) to the power consumption reference value (E benchmark). (GB 12021.7-2005) 3.8 Energy efficiency index for flat panel televisions it refers to the ratio of the flat panel TV energy efficiency test value (E measured) to the reference value (E benchmark) under the standard measurement method.

Referred to as energy efficiency index.

Auto power off auto power off the product automatically enters the standby state or the shutdown state from the power-on state.

3.10

Post-consumer material postconsumer material A material produced by a household or commercial, industrial or other group as an end user of the product that can no longer be used for the original purpose. Including from sales the material returned on the chain. (GB/T 24021-2001) 3.11 Post-consumer recycling content postconsumer recycling content the ratio of the mass (physical quantity) of the post-consumer material used in the product or package.

3.12

Recycling recovery

The process of cleaning, disassembling, crushing, etc. of waste products to meet their original use requirements or for other purposes.

Includes the recycling and utilization of energy. (GB/T 20861-2007) 3.13 Use reuse again the waste product or its components, continue to be used or cleaned, repaired and continue to be used for the original purpose.

(GB/T 20861-2007)

3.14

Recycling

Disposal of waste products through cleaning, dismantling, crushing, etc., so that they can be reused as raw materials, but not including energy Recycling and utilization. (GB/T 20861-2007) 3.15 Compatibility the material in the plastic blend does not bleed out, bleed or cause a similar separation. (GB/T 2035-2008)

4 Basic requirements

4.1

Product quality and safety performance should meet the requirements of the corresponding product standards.