

ICS 35.160

CCS L 62



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

GB/Z 177.5-2026

**Intelligence grading of artificial intelligence terminal - Part 5:
Television receiver
(English Translation)**

Issued on: August 27, 2026

Implemented on: January 1, 1800

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

This document is a standard or guiding technical document.

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1.Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 5 of GB /Z 177 "Intelligent Classification of Artificial Intelligence Terminals". GB /Z 177 has already published the following parts.

- Part 1.Reference Frame;
- Part 3.Mobile Terminals;
- Part 4.Microcomputers;
- Part 5.Television Receivers;
- Part 6.Eyeglasses;
- Part 7.The Car Cockpit;
- Part 8.Speakers;
- Part 9.Headphones

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This document is under the jurisdiction of the National Technical Committee on Standardization of Audio, Video and Multimedia Systems and Equipment (SAC/TC242).

Introduction

The rapid development of artificial intelligence technology continues to drive the emergence of new products and new business models, and leads to the upgrading and replacement of traditional electronic information products.

Smart products are becoming increasingly feature-rich and are iterating at an accelerated pace, bringing users novel experiences and significant productivity improvements.

GB /Z 177 "Intelligent Classification of Artificial Intelligence Terminals" provides a classification of the intelligent capabilities of artificial intelligence terminals from the perspective of user intelligent experience.

The evaluation elements and testing methods are designed to standardize the production, promotion, and sales of AI terminals, and to provide a reference for users in selecting the right products.

GB /Z 177 is proposed to consist of nine parts.

---Part 1.Reference Framework. The purpose is to provide a reference framework, classification, and intelligent capability elements for artificial intelligence terminals.

---Part 2.General Requirements. The purpose is to provide a general method for determining and testing the intelligence level of artificial intelligence terminals.

---Part 3.Mobile Terminals. The purpose is to provide methods for determining and testing the intelligence level of AI-powered mobile terminals.

---Part 4.Microcomputers. The purpose is to provide methods for determining and testing the intelligence level of artificial intelligence microcomputers.

---Part 5.Television Receivers. The purpose is to provide methods for determining and testing the intelligence level of television receivers.

---Part 6.Eyeglasses. The purpose is to provide methods for determining and testing the level of intelligence capabilities of eyeglasses.

---Part 7.Automotive Cockpit. The purpose is to provide methods for determining and testing the intelligence level of an AI-powered automotive cockpit.

---Part 8.Speakers. The purpose is to provide a method for determining and testing the intelligence level of AI speakers.

---Part 9.Headphones. The purpose is to provide a method for determining and testing the intelligence level of AI headphones.

AI terminal intelligent classification

Part 5.Television Receiver

1 Scope

This document provides guidance on key capabilities for intelligent classification of television receivers and describes the classification level determination method.

For reference. This is a reference for use on mobile smart screens.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB /Z 177.1-2026 Classification of Intelligentization of Artificial Intelligence Terminals - Part 1.Reference Framework

GB /Z 177.2-2026 Classification of Intelligentization of Artificial Intelligence Terminals - Part 2.General Requirements

GB/T 36464.2-2018 Information Technology - Intelligent Voice Interaction Systems - Part 2.Smart Home

GB/T 41813.1-2022 Information Technology - Test Methods for Intelligent Voice Interaction - Part 1.Speech Recognition

GB/T 44089-2024 General Technical Requirements for Full-Duplex Voice Interaction Systems in Information Technology

3 Terms and Definitions

The terms and definitions defined in GB /Z 177.1-2026 and GB /Z 177.2-2026, as well as the following terms and definitions, apply to this document.

3.1

service

The function or ability to achieve specific goals or solve specific problems based on artificial

intelligence technology.

3.2

Interactive rounds

A combination of a complete input from the user and the system's response to that input.

Note: Input includes text, voice, etc.

Intelligent Adaptation

The process of dynamically adjusting output strategies by continuously learning user behavior and context.

3.4

User profile

A summary and description of user characteristics such as personal information, interests, and behavioral habits.

3.5

third-party app

Software products or services developed by non-equipment manufacturers or operating system providers.

END: Draft Version (GBZ177.5-2026)