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

GB/T 14474-2024

Replacing GB/T 14474-1993

Horn loudspeakers - General requirements

号筒扬声器 通用要求

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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 replaces GB/T 14474-1993 "General Technical Requirements for Horn Loudspeakers". Compared with GB/T 14474-1993, except for the structure In addition to adjustments and editorial changes, the main technical changes are as follows:

- a) The scope of application of the document has been changed to include civil public address terminal electric horn loudspeakers (see Chapter 1,.1993 edition). Chapter 1);
- b) Added "Basic Classification of Horn Loudspeakers" (see 4.1.1);

- c) The requirements for "characteristic sensitivity level" have been changed (see 4.1.3.6, 5.3.3 of the.1993 edition);
- d) Added "Power compression value at specified frequency point" (see 4.1.3.7), "Directivity index" (see 4.1.3.9), "Coverage angle" (see 4.1.3.10) technical requirements;
- e) Added the requirements for "passive horn loudspeaker (with matching transformer)" products (see 4.2);
- f) Added requirements for "active horn loudspeaker" products (see 4.3);
- g) Added the requirements for "stray magnetic field" (see 4.4.4);
- h) The requirements for "low temperature loads and storage" have been modified (see 4.5, 5.5.5 of the.1993 edition);
- i) The requirements for the "dust and water resistance" test have been changed (see 4.5, 5.5.6 of the.1993 edition);

1 Scope

GB/T 14474-2024 is the Chinese national standard on horn loudspeakers - general requirements, in the field of telecommunications and audio-video engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 26 October 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2025. Classification: ICS 33.160.99, CCS M72. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the product requirements, inspection rules, marking, packaging, transportation and storage of civil public broadcasting terminal horn loudspeakers. Require. This document applies to the design, manufacture and inspection of electric horn loudspeakers for civil public broadcasting terminals. It is used for reference by horn loudspeakers based on transducers and other transducer principles.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced

documents without a date, the latest version (including all amendments) applies to This document.

GB/T 191 Pictorial markings for packaging, storage and transportation

GB/T 2828.1 Sampling procedures for inspection by attributes Part

3 Terms and Definitions

The terms and definitions defined in GB/T 14475-2024 apply to this document.

4.1 Passive horn loudspeaker (without matching transformer)

4.1.1 Dimensions, appearance and mechanical quality The horn loudspeaker consists of a drive unit and a horn as a sound load. The classification of the horn, drive unit and the horn loudspeaker they consist of is shown in Appendix A. Its overall dimensions and installation dimensions shall comply with the manufacturer's product specifications, the structure and appearance shall be complete, the markings shall be clear, and the appearance shall be It should be neat and tidy; there should be no obvious mechanical damage; the rivets, welding, fastening and gluing should be firm and reliable; the paint layer should not be wrinkled, scratched or peeling. The coating of parts shall comply with the provisions of the product technical documents.

4.1.2 Listening test

4.1.2.1 Listening test for normal operation The sound level, timbre, noise, etc. of the horn loudspeaker should not have any defects and should operate normally.