

*Indian Standard***SOUND AND TELEVISION BROADCAST RECEIVERS
AND ASSOCIATED EQUIPMENT — IMMUNITY
CHARACTERISTICS — LIMITS AND METHODS OF
MEASUREMENT****1 Scope and object**

This publication is applicable to the immunity of sound and television broadcast receivers and associated equipment to ambient electromagnetic fields, induced currents and voltages. The frequency range covered extends from 150 kHz to 1 GHz.

This publication is also applicable to the immunity of outdoor units of direct to home (DTH) satellite receiving systems for individual reception.

NOTE - Satellite receiving systems for collective reception, in particular:

- cable distribution head ends (community antenna television, CATV);
- community reception systems (master antenna television, MATV) are covered by IEC 60728-2.

This publication describes the methods of measurement and specified limits applicable to sound and television receivers and to associated equipment with regard to their immunity characteristics to interfering signals.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

CISPR 13:1996, *Limits and methods of measurement of radio interference characteristics of sound and television broadcast receivers and associated equipment*

CISPR 16:1987, *CISPR specification for radio interference measuring apparatus and measurement methods*

CISPR 16-1:1993, *Specification for radio disturbance and immunity measuring apparatus and methods - Part 1: Radio disturbance and immunity measuring apparatus*

IEC 60050(161):1990, *International Electrotechnical Vocabulary (IEV) – Chapter 161: Electro-magnetic compatibility*

IEC 60094-2:1994, *Magnetic tape sound recording and reproducing systems – Part 2: Calibration tapes*

IEC 60096-1:1986, *Radio-frequency cables – Part 1 : General requirements and measuring methods* Amendment 2 (1993)

IEC 60098:1987, *Analogue audio disk records and reproducing equipment*

IEC 60728-2:—, *Cabled distribution systems for television and sound systems – Part 2: Electromagnetic compatibility of equipment¹⁾*

ITU-R 471 - 1 : *Nomenclature and description of colour bar signals*

ITU-R 500-7 : *Method for the subjective assessment of the quality of television pictures*

¹⁾ To be published.