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Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement

STANDARD PREVIEW
(standards.iteh.ai)

Ton- und Fernseh-Rundfunkempfänger und verwandte Geräte der Unterhaltungselektronik - Störfestigkeitseigenschaften - Grenzwerte und Prüfverfahren

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Récepteurs de radiodiffusion et de télévision et équipements associés - Caractéristiques d'immunité - Limites et méthodes de mesure

Ta slovenski standard je istoveten z: EN 55020:2007

ICS:

33.100.20	Imunost	Immunity
33.160.01	Avdio, video in avdiovizualni sistemi na splošno	Audio, video and audiovisual systems in general

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English version

**Sound and television broadcast receivers
and associated equipment -
Immunity characteristics -
Limits and methods of measurement
(CISPR 20:2006)**

Récepteurs de radiodiffusion et de
télévision et équipements associés -
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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document CISPR/1/200/FDIS, future edition 6 of CISPR 20, prepared by CISPR SC 1, Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 55020 on 2006-12-01.

This European Standard supersedes EN 55020:2002 (+ corrigendum September 2005) + A1:2003 (+ corrigendum September 2005) + A2:2005 + IS1:2007 + IS2:2007.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-12-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directives 89/336/EEC, 2004/108/EC and 1999/5/EC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

iTeh STANDARD PREVIEW (standard not final) Endorsement notice

The text of the International Standard CISPR 20:2006 approved by CENELEC as a European Standard without any modification.

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

- | | |
|----------|--|
| CISPR 22 | NOTE Harmonized as EN 55022:2006 (modified). |
| CISPR 24 | NOTE Harmonized as EN 55024:1998 (modified). |

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
CISPR 16-1-3	- ¹⁾	Specification for radio disturbance and immunity measuring apparatus and methods Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power	EN 55016-1-3	2006 ²⁾
IEC 60050-161	- ¹⁾	International Electrotechnical Vocabulary (IEV) Chapter 161: Electromagnetic compatibility	-	-
IEC 60268-1	1985	Sound system equipment Part 1: General	HD 483.1 S2 ³⁾	1989
IEC 61000-4-2	- ¹⁾	Electromagnetic compatibility (EMC) Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	1995 ²⁾
IEC 61000-4-3	- ¹⁾	Electromagnetic compatibility (EMC) Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	EN 61000-4-3	2006 ²⁾
IEC 61000-4-4	- ¹⁾	Electromagnetic compatibility (EMC) Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	EN 61000-4-4	2004 ²⁾
IEC 61672-1	2002	Electroacoustics - Sound level meters Part 1: Specifications	EN 61672-1	2003
ETS 300 158	1992	Satellite Earth Stations and Systems (SES) - Television Receive Only (TVRO-FSS) Satellite Earth Stations operating in the 11/12 GHz FSS bands	-	-
ETS 300 249	1993	Satellite Earth Stations and Systems (SES) - Television Receive-Only (TVRO) equipment used in the Broadcasting Satellite Service (BSS)	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ HD 483.1 S2 includes A1 to IEC 60268-1.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ITU-R Recommendation BS 468-4	- ¹⁾	Measurement of audio-frequency noise voltage level in sound broadcasting	-	-
ITU-R Recommendation BT.471-1	1986	Nomenclature and description of colour bar signals	-	-
ITU-R Recommendation BT.500-10	- ¹⁾	Methodology for the subjective assessment of - the quality of television pictures	-	-
ITU-T Recommendation J.61	- ¹⁾	Transmission performance of television circuits designed for use in international connections	-	-

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Annex ZZ (informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers the essential requirements as given in Article 4(b) of the EC Directive 89/336/EEC and Annex I Article 1(b) of the EC Directive 2004/108/EC, and the essential requirements of Article 3.1(b) (immunity only) of the EC Directive 1999/5/EC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directives concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

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INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

**Récepteurs de radiodiffusion et
de télévision et équipements associés –
Caractéristiques d'immunité –
Limites et méthodes de mesure**

iTeh STANDARD PREVIEW

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

**SOUND AND TELEVISION BROADCAST RECEIVERS
AND ASSOCIATED EQUIPMENT –
IMMUNITY CHARACTERISTICS –
LIMITS AND METHODS OF MEASUREMENT**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard CISPR 20 has been prepared by CISPR, subcommittee 1: Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers.

This sixth edition of CISPR 20 cancels and replaces the fifth edition published in 2002, its Amendment 1 (2002) and Amendment 2 (2004).

The document CISPR/1/200/FDIS, circulated to the National Committees as Amendment 3, led to the publication of the new edition.

The text of this standard is based on the second edition, Amendment 1, Amendment 2 and the following documents:

FDIS	Report on voting
CISPR/1/200/FDIS	CISPR/1/216/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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