



SLOVENSKI STANDARD
SIST EN 55022:2007/A1:2008
01-maj-2008

CdfYa UnU]bZfa UW]g_c'hM bc`c[]'c'!'?UfU_hyf]gh_YcV i h'j]cgh'nUfUX]g_Y
a ctb'Y!'AY'bY'j fYXbcgh]'b'a Yf]'bY'a YrcXY'f7 -GDF`&&&\$) #5 %&\$) L

Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

Einrichtungen der Informationstechnik - Funkstöreigenschaften - Grenzwerte und Messverfahren

iTeh STANDARD PREVIEW

Appareils de traitement de l'information - Caractéristiques des perturbations radioélectriques - Limites et méthodes de mesure

[SIST EN 55022:2007/A1:2008](https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433fb6f6-d47c1270bc4/sist-en-55022-2007-a1-2008)

Ta slovenski standard je istoveten z: [EN 55022:2006/A1:2007](https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433fb6f6-d47c1270bc4/sist-en-55022-2007-a1-2008)

ICS:

33.100.10

35.020

SIST EN 55022:2007/A1:2008

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 55022:2007/A1:2008](https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433f-b6f6-d49c1290bf4/sist-en-55022-2007-a1-2008)

<https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433f-b6f6-d49c1290bf4/sist-en-55022-2007-a1-2008>

**Information technology equipment -
Radio disturbance characteristics -
Limits and methods of measurement
(CISPR 22:2005/A1:2005)**

Appareils de traitement de l'information -
Caractéristiques des perturbations
radioélectriques -
Limites et méthodes de mesure
(CISPR 22:2005/A1:2005)

Einrichtungen der Informationstechnik -
Funkstöreigenschaften -
Grenzwerte und Messverfahren
(CISPR 22:2005/A1:2005)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

This amendment A1 modifies the European Standard EN 55022:2006; it was approved by CENELEC on 2007-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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 amendment 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 amendment 1:2005 to the International Standard CISPR 22:2005, prepared by CISPR SC I, Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers, was submitted to the formal vote and was approved by CENELEC as amendment A1 to EN 55022:2006 on 2007-10-01 without any modification.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2008-10-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2010-10-01

Endorsement notice

The text of amendment 1:2005 to the International Standard CISPR 22:2005 was approved by CENELEC as an amendment to the European Standard without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 55022:2007/A1:2008

<https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433f-b6f6-d49c1290bf4/sist-en-55022-2007-a1-2008>

COMMISSION
ÉLECTROTECHNIQUE
INTERNATIONALE

CISPR
22

2005

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

AMENDEMENT 1
AMENDMENT 1
2005-07

COMITÉ INTERNATIONAL SPÉCIAL DES PERTURBATIONS RADIOÉLECTRIQUES
INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

Amendement 1

**Appareils de traitement de l'information –
Caractéristiques des perturbations
radioélectriques –
Limites et méthodes de mesure**

(standards.iteh.ai)

Amendment 1

[SIST EN 55022:2007/A1:2008](https://standards.iteh.ai/catalog/standards/sis/9609273c-85c6-433fb6ff-d49c1290bc4/sist-en-55022-2007-a1-2008)

[Information technology equipment –
Radio disturbance characteristics –
Limits and methods of measurement](https://standards.iteh.ai/catalog/standards/sis/9609273c-85c6-433fb6ff-d49c1290bc4/sist-en-55022-2007-a1-2008)

© IEC 2005 Droits de reproduction réservés — Copyright - all rights reserved

International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

D

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by CISPR, subcommittee I: Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers.

The text of this amendment is based on the following documents:

| | |
|------------------|------------------|
| FDIS | Report on voting |
| CISPR/I/151/FDIS | CISPR/I/161/RVD |

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

The committee has decided that the contents of this amendment and the base publication 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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 55022:2007/A1:2008](https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433f-b6f6-d49c1290bf4/sist-en-55022-2007-a1-2008)

Page 3

<https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433f-b6f6-d49c1290bf4/sist-en-55022-2007-a1-2008>

CONTENTS

Add, below title of Clause 6, the titles of the following new subclauses:

6.1 Limits below 1 GHz

6.2 Limits above 1 GHz

Modify the titles of subclauses 10.2 to 10.5 and add the title of the new subclause 10.6, as follows:

10.2 Measuring receiver below 1 GHz

10.3 Antenna below 1 GHz

10.4 Measurement site below 1 GHz

10.5 EUT arrangement below 1 GHz

10.6 Radiated emission measurements above 1 GHz

Change the numbering of subclauses 10.6, 10.7 and 10.8 to 10.7, 10.8 and 10.9.

6 Limits for radiated disturbance

Insert below the title of Clause 6 the following new title.

6.1 Limits below 1 GHz

The text of this new subclause is that of the existing Clause 6.

Add the following new subclause.

6.2 Limits above 1 GHz

The EUT shall meet the limits of Table 8 or Table 9 when measured in accordance with the method described in Clause 10 and the conditional testing procedure described below.

**Table 8 – Limits for radiated disturbance of Class A ITE
at a measurement distance of 3 m**

| Frequency range GHz | Average limit dB(μ V/m) | Peak limit dB(μ V/m) |
|---|---------------------------------|------------------------------|
| 1 to 3 | 56 | 76 |
| 3 to 6 | 60 | 80 |
| NOTE The lower limit applies at the transition frequency. | | |

[SIST EN 55022:2007/A1:2008](https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433f-b6f6-d49c1290bf4/sist-en-55022-2007-a1-2008)

<https://standards.iteh.ai/catalog/standards/sist/9609273c-85c6-433f-b6f6-d49c1290bf4/sist-en-55022-2007-a1-2008>

**Table 9 – Limits for radiated disturbance of Class B ITE
at a measurement distance of 3 m**

| Frequency range GHz | Average limit dB(μ V/m) | Peak limit dB(μ V/m) |
|---|---------------------------------|------------------------------|
| 1 to 3 | 50 | 70 |
| 3 to 6 | 54 | 74 |
| NOTE The lower limit applies at the transition frequency. | | |

- **Conditional testing procedure:**

The highest internal source of an EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes.

If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz.

If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz.

If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz.

If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 6 GHz, whichever is less.

Page 55

10 Method of measurement of radiated disturbance

Modify the title of 10.2 (“Measuring receivers”) as follows:

10.2 Measuring receiver below 1 GHz

Modify the title of 10.3 (“Antenna”) as follows:

10.3 Antenna below 1 GHz

Modify the title of 10.4 (“Measurement site”) as follows:

10.4 Measurement site below 1 GHz

Modify the title of 10.5 (“EUT arrangement”) as follows:

10.5 EUT arrangement below 1 GHz

Add a new subclause 10.6 as follows and renumber the existing subclauses 10.6, 10.7 and 10.8 as 10.7, 10.8 and 10.9 respectively.

10.6 Radiated emission measurements above 1 GHz

The measurement instrumentation shall be as defined in 8.2 of CISPR 16-1-1.

The measuring antennas shall be as defined in 4.6 of CISPR 16-1-4.

The measuring site shall be as described in Clause 8 of CISPR 16-1-4.

The measurement method shall be as specified in 7.3 of CISPR 16-2-3.

The peak detector limits shall not be applied to disturbances produced by arcs or sparks that are high voltage breakdown events. Such disturbances arise when ITE devices contain or control mechanical switches that control current in inductors, or when ITE devices contain or control subsystems that create static electricity (such as paper handling devices). The average limits apply to disturbances from arcs or sparks, and both peak and average limits will apply to other disturbances from such ITE devices.
