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Information technology equipment - Immunity characteristics - Limits and methods of measurement - Amendment 1 (CISPR 24:1997/A1:2001)

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EUROPEAN STANDARD

**EN 55024/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 33.100.20

English version

**Information technology equipment -  
Immunity characteristics -  
Limits and methods of measurement  
(CISPR 24:1997/A1:2001)**

Appareils de traitement de l'information -  
Caractéristiques d'immunité -  
Limites et méthodes de mesure  
(CISPR 24:1997/A1:2001)

Einrichtungen der Informationstechnik -  
Störfestigkeitseigenschaften -  
Grenzwerte und Prüfverfahren  
(CISPR 24:1997/A1:2001)

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This amendment A1 modifies the European Standard EN 55024:1998; it was approved by CENELEC on 2001-10-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and 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/G/211/FDIS, future amendment 1 to CISPR 24:1997, prepared by CISPR SC G, Interference relating to information technology equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 55024:1998 on 2001-10-01.

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) 2002-07-01
- latest date by which the national standards conflicting  
with the amendment have to be withdrawn (dow) 2004-10-01

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## Endorsement notice

The text of amendment 1:2001 to the International Standard CISPR 24:1997 was approved by CENELEC as an amendment to the European Standard without any modification.

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INTERNATIONALE

**CISPR**  
**24**

1997

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

AMENDEMENT 1  
AMENDMENT 1  
2001-07

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

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Amendement 1

**Appareils de traitement de l'information –  
Caractéristiques d'immunité –  
Limites et méthodes de mesure**

Amendment 1

**Information technology equipment –  
Immunity characteristics –  
Limits and methods of measurement**

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## FOREWORD

This amendment has been prepared by CISPR subcommittee G: Interference relating to information technology equipment.

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

FDIS	Report on voting
CISPR/G/211/FDIS	CISPR/G/221/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 the base publication and its amendments will remain unchanged until 2002. At this date, the publication will be

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

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## Annex A Telecommunications terminal equipment

**Table A.1 – Maximum acoustic demodulated levels at the telecommunications port and at the acoustic receiving device (measurement method 1)**

*Modify the requirements for the frequency ranges 10 MHz to 30 MHz and 30 MHz to 80 MHz by replacing the first four rows of table A.1 as follows:*

Frequency band MHz	Type of immunity test	Noise signal dBm	Acoustic sound pressure level dB(spl)
0,15 to 10	Conducted	–50	55
10 to 30 (except 26,95 to 27,29)	Conducted	–50 to –30 (See note 2)	55 to 75 (See note 2)
26,95 to 27,29	Conducted	–40	65
30 to 80	Conducted	–20	85

*Renumber the note of table A.1 as note 1 and add the following new note 2:*

NOTE 2 Levels in the specified range change linearly with the logarithm of the frequency.

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**Table A.2 – Maximum demodulated differential mode noise levels at the telecommunications port (measurement method 2)**

Modify the requirements for the frequency ranges 10 MHz to 30 MHz and 30 MHz to 80 MHz by replacing the first four rows of table A.2 as follows:

Frequency band MHz	Type of immunity test	Demodulated differential mode noise dBm
0,15 to 10	Conducted	Reference level –10 dB
10 to 30 (except 26,95 to 27,29)	Conducted	(Reference level –10 dB) to (Reference level +10 dB) (See note 2)
26,95 to 27,29	Conducted	Reference level
30 to 80	Conducted	Reference level +20dB

Replace “See note to table A.1.” by the two notes which follow:

NOTE 1 See note 1 in table A.1.

NOTE 2 Levels in the specified range change linearly with the logarithm of the frequency.

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**Table A.3 – Maximum demodulated differential mode noise and acoustic sound pressure levels at the telecommunications port and at the acoustic receiving device (measurement method 1)**

Modify the requirements for the frequency ranges 10 MHz to 30 MHz and 30 MHz to 80MHz by replacing the first four rows of table A.3 as follows:

Frequency band MHz	Type of immunity test	Demodulated differential mode noise dBmO	Acoustic sound pressure level dB(spl)
0,15 to 10	Conducted	–50	55
10 to 30 (except 26,95 to 27,29)	Conducted	–50 to –30 (note 2)	55 to 75 (note 2)
26,95 to 27,29	Conducted	–40	65
30 to 80	Conducted	–20	85

Replace “See note to table A.1.” by the two notes which follow:

NOTE 1 See note 1 in table A.1.

NOTE 2 Levels in the specified range change linearly with the logarithm of the frequency.

**Table A.4 – Maximum demodulated differential mode noise levels  
(measurement method 2)**

*Modify the requirements for the frequency ranges 10 MHz to 30 MHz and 30 MHz to 80 MHz by replacing the first four rows of table A.4 as follows:*

Frequency band MHz	Type of immunity test	Demodulated differential mode noise dBm
0,15 to 10	Conducted	Reference level –10 dB
10 to 30 (except 26,95 to 27,29)	Conducted	(Reference level –10 dB) to (Reference level +10 dB) (See note 2)
26,95 to 27,29	Conducted	Reference level
30 to 80	Conducted	Reference level +20dB

*Replace “See note to table A.1.” by the two notes which follow:*

NOTE 1 See note 1 in table A.1.

NOTE 2 Levels in the specified range change linearly with the logarithm of the frequency.

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