



SLOVENSKI STANDARD
SIST EN 55011:2007/A2:2007

01-oktober-2007

Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement

Industrielle, wissenschaftliche und medizinische Hochfrequenzgeräte (ISM-Geräte) - Funkstörungen - Grenzwerte und Messverfahren

Appareils industriels, scientifiques et médicaux (ISM) a fréquence radioélectrique - Caractéristiques de perturbations électromagnétiques - Limites et méthodes de mesure

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Ta slovenski standard je istoveten z: **EN 55011:2007/A2:2007**

ICS:

33.100.10 Emisija Emission

SIST EN 55011:2007/A2:2007 en,fr,de

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**Industrial, scientific and medical (ISM) radio-frequency equipment -
Electromagnetic disturbance characteristics -
Limits and methods of measurement
(CISPR 11:2003/A2:2006)**

Appareils industriels,
scientifiques et médicaux (ISM)
à fréquence radioélectrique -
Caractéristiques de perturbations
électromagnétiques -
Limites et méthodes de mesure
(CISPR 11:2003/A2:2006)

Industrielle, wissenschaftliche
und medizinische Hochfrequenzgeräte
(ISM-Geräte) -
Funkstörungen -
Grenzwerte und Messverfahren
(CISPR 11:2003/A2:2006)

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SIST EN 55011:2007/A2:2007
This amendment A2 modifies the European Standard EN 55011:2007; it was approved by CENELEC on 2006-11-01. 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 document CISPR/B/394/FDIS, future amendment 2 to CISPR 11:2003, prepared by CISPR SC B, Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 55011:2007 on 2006-11-01.

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) 2007-11-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2009-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of amendment 2:2006 to the International Standard CISPR 11:2003 was approved by CENELEC as an amendment to the European Standard without any modification.

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Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

Addition to Annex ZA of EN 55011:2007:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
CISPR 16-4-2	2003	Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Uncertainty in EMC measurements	EN 55016-4-2	2004

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2003

AMENDMENT 2
2006-06

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

Amendment 2

**Industrial, scientific and medical (ISM)
radio-frequency equipment –
Electromagnetic disturbance characteristics –
Limits and methods of measurement**
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*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*

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International Electrotechnical Commission, 3, rue de Varembe, 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

PRICE CODE

D

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FOREWORD

This amendment has been prepared by CISPR subcommittee B: Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction.

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

FDIS	Report on voting
CISPR/B/394/FDIS	CISPR/B/398/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.

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1.2 Normative references

Add the new following reference:

CISPR 16-4-2:2003, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Uncertainty in EMC measurements*

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5.1.2.2 Induction cooking appliances for domestic or commercial use

Table 2c – Mains terminal disturbance voltage for induction cooking appliances

Replace Table 2c by the following table:

Table 2c – Mains terminal disturbance voltage for induction cooking appliances

Frequency range MHz	Induction cooking appliance limits dB(μ V)			
	All appliances other than those which are 100 V rated and without an earth connection		All appliances which are 100 V rated and without an earth connection	
	Quasi-peak	Average	Quasi-peak	Average
0,009 to 0,050	110	-	122	-
0,050 to 0,1485	90	-	102	-
	Decreasing linearly with logarithm of frequency to 80		Decreasing linearly with logarithm of frequency to 92	
0,1485 to 0,5	66	56	72	62
	Decreasing linearly with logarithm of frequency to 56	Decreasing linearly with logarithm of frequency to 46	Decreasing linearly with logarithm of frequency to 62	Decreasing linearly with logarithm of frequency to 52
0,5 to 5	56	46	56	46
5 to 30	60	50	60	50

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6.5.4 Microwave cooking appliances

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Replace the second sentence of the first paragraph by the following new text:

The water container shall be a cylindrical container of borosilicate glass of an external diameter of 190 mm \pm 5 mm and a height of 90 mm \pm 5 mm.

Before the measurement, preliminary operation of the microwave oven under test shall be performed until the magnetron oscillating frequency is stabilized. More than 5 min preheating time is required.

Add the following sentence as a note in order to ensure a secure measurement:

NOTE During the measurement, the water load should be exchanged to cold water before it starts to boil.

6.5.6 Single and multiple-zone induction cooking appliances

Add, after the 6th paragraph (“The smallest usable standard ... manufacturer’s instructions take precedence.”) the following new paragraph:

Cooking zones which are not intended for use with even vessels (e.g. wok-zones) shall be measured with the vessel provided together with the hob, or with the vessel recommended by the manufacturer.