

2003

AMENDMENT 2  
2006-06

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

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Amendment 2

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

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CISPR 11:2003/AMD2:2006

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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](mailto:inmail@iec.ch) Web: [www.iec.ch](http://www.iec.ch)



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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- withdrawn,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( $\mu$ 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**

*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.