

2003

AMENDMENT 1  
2004-05

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

---

---

Amendment 1

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

*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.*

© IEC 2004 Copyright - all rights reserved

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

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

## 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 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/324/FDIS	CISPR/B/327/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 2006. At this date, the publication will be

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- withdrawn;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

Page 13

### 1.1 Scope and object

*Replace the penultimate paragraph by the following new text:*

Requirements for ISM lighting apparatus and UV irradiators operating at frequencies within the ISM frequency bands defined by the ITU Radio Regulations are contained in this standard.

Page 35

### 5.2.3 Frequency band 1 GHz to 18 GHz

#### Group 2 ISM equipment

*Delete the sub-header "Class A equipment", the sentence reading "Limits are under consideration", and the sub-header "Class B equipment".*

Page 37

*Insert, before Table 6, the following new paragraph:*

For microwave-powered UV irradiators, the limits specified in Table 6 apply.

*Replace the existing Table 6 by the following new Table 6 such that it addresses class A and class B ISM equipment:*

**Table 6 – Electromagnetic radiation disturbance peak limits for group 2, class A and class B ISM equipment producing CW type disturbances and operating at frequencies above 400 MHz**

Frequency band	Field strength at a measurement distance of 3 m dB( $\mu$ V/m)	
	class A	class B
1 GHz to 18 GHz	class A	class B
Within harmonic frequency bands	82 <sup>a</sup>	70
Outside harmonic frequency bands	70	70
NOTE 1 For the protection of radio services, competent national authorities may require lower limits.		
NOTE 2 Peak measurements with a resolution bandwidth of 1 MHz and a video signal bandwidth higher than or equal to 1 MHz.		
NOTE 3 In this table, "harmonic frequency bands" means the frequency bands which are multiples of the ISM bands allocated above 1 GHz.		
<sup>a</sup> At the upper and lower edge frequency of harmonic frequency bands, the lower limit of 70 dB( $\mu$ V/m) applies.		

Page 71

#### **Annex A – Examples of equipment classification**

Add, under group 2, as the first item under "General", the following new text:

Microwave-powered UV irradiating apparatus

STANDARDS150.COM · Click to view the full PDF of CISPR 11:2003/AMD1:2004