

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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

**Electromagnetic compatibility – Requirements for household appliances,  
electric tools and similar apparatus –  
Part 1: Emission**

**Compatibilité électromagnétique – Exigences pour les appareils  
électrodomestiques, outillages électriques et appareils analogues –  
Partie 1: Emission**



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## CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope .....	7
2 Normative references .....	8
3 Definitions .....	9
4 Limits of disturbance .....	12
4.1 Continuous disturbance .....	12
4.2 Discontinuous disturbance.....	15
5 Methods of measurement of terminal disturbance voltages (148,5 kHz to 30 MHz) .....	18
5.1 Measuring devices .....	18
5.2 Measuring procedures and arrangements.....	19
5.3 Reduction of disturbance not produced by the equipment under test .....	23
6 Methods of measurement of disturbance power (30 MHz to 300 MHz) .....	24
6.1 Measuring devices .....	24
6.2 Measurement procedure on the mains lead .....	24
6.3 Special requirements for appliances having auxiliary apparatus connected at the end of a lead other than the mains lead .....	25
6.4 Assessment of measuring results .....	26
7 Operating conditions and interpretation of results .....	26
7.1 General .....	26
7.2 Operating conditions for particular equipment and integrated parts.....	27
7.3 Standard operating conditions and normal loads .....	30
7.4 Interpretation of results .....	46
8 Interpretation of CISPR radio disturbance limit .....	49
8.1 Significance of a CISPR limit.....	49
8.2 Type tests .....	49
8.3 Compliance with limits for appliances in large-scale production .....	50
8.4 The banning of sales .....	51
Annex A (normative) Limits of disturbance caused by the switching operations of specific appliances when the formula $20 \lg 30/N$ is applicable.....	63
Annex B (informative) Example of the use of the upper quartile method to determine compliance with disturbance limits (see 7.4.2.6) .....	66
Annex C (informative) Guidance notes for the measurement of discontinuous disturbance (clicks).....	68
Bibliography.....	73

Figure 1 – Graphical representation of the limits, household appliances and electric tools (see 4.1.1).....	52
Figure 2 – Graphical representation of the limits, regulating controls (see 4.1.1).....	53
Figure 3 – Examples of discontinuous disturbances classified as clicks (see 3.2) .....	54
Figure 4 – Examples of discontinuous disturbance for which the limits of continuous disturbance apply (see 4.2.2.1). For some exceptions from this rule see 4.2.3.2 and 4.2.3.4. ....	55
Figure 5 – Measuring arrangement for regulating controls (see 5.2.4).....	57
Figure 6 – Arrangement for measurement of disturbance voltage produced at the fence terminal of electric fence energizers (see 7.3.7.2).....	58
Figure 7 – Measuring arrangement for toys running on tracks .....	59
Figure 8 – Application of the artificial hand (5.1.4 and 5.2.2.2).....	61
Figure 9 – Flow diagram for measurements of discontinuous disturbance (see Annex C) .....	62
Table 1 – Terminal voltage limits for the frequency range 148,5 kHz to 30 MHz (see Figures 1 and 2).....	13
Table 2 – Disturbance power limits for the frequency range 30 MHz to 300 MHz.....	14
Table 3 – Radiated disturbance limits for toys for the frequency range 30 MHz to 1 000 MHz at 10 m distance from the source .....	15
Table A.1 – Examples of appliances and application of limits according to 4.2.2 and 4.2.3 for which the click rate $N$ is derived from the number of clicks .....	64
Table A.2 – Examples of appliances and application of limits for which the click rate $N$ is derived from the number of switching operations and the factor $f$ as mentioned in the relevant operating conditions .....	65

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

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**ELECTROMAGNETIC COMPATIBILITY –  
REQUIREMENTS FOR HOUSEHOLD APPLIANCES,  
ELECTRIC TOOLS AND SIMILAR APPARATUS –**

**Part 1: Emission**

**FOREWORD**

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International Standard CISPR 14-1 has been prepared by CISPR subcommittee F: Interference relating to household appliances, tools, lighting equipment and similar apparatus.

This fifth edition of CISPR 14-1 cancels and replaces the fourth edition published in 2000, its amendment 1 (2001) and amendment 2 (2002).

The text of this standard is based on the fourth edition, amendment 1, amendment 2 and the following documents:

FDIS	Report on voting
CISPR/F/404/FDIS	CISPR/F/411/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this 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.

The contents of the corrigendum of January 2009 have been included in this copy.

Withdrawing

## INTRODUCTION

The intention of this standard is to establish uniform requirements for the radio disturbance level of the equipment contained in the scope, to fix limits of disturbance, to describe methods of measurement and to standardize operating conditions and interpretation of results.

Withdrawn



# ELECTROMAGNETIC COMPATIBILITY – REQUIREMENTS FOR HOUSEHOLD APPLIANCES, ELECTRIC TOOLS AND SIMILAR APPARATUS –

## Part 1: Emission

### 1 Scope

**1.1** This standard applies to the conduction and the radiation of radio-frequency disturbances from appliances whose main functions are performed by motors and switching or regulating devices, unless the r.f. energy is intentionally generated or intended for illumination.

It includes such equipment as: household electrical appliances, electric tools, regulating controls using semiconductor devices, motor-driven electro-medical apparatus, electric/electronic toys, automatic dispensing machines as well as cine or slide projectors.

Also included in the scope of this standard are:

- separate parts of the above mentioned equipment such as motors, switching devices e.g. (power or protective) relays, however no emission requirements apply unless formulated in this standard.

Excluded from the scope of this standard are:

- apparatus for which all emission requirements in the radio frequency range are explicitly formulated in other IEC or CISPR standards;

NOTE 1 Examples are:

- luminaires, including portable luminaires for children, discharge lamps and other lighting devices: CISPR 15;
- audio and video equipment and electronic music instruments, other than toys: CISPR 13 and CISPR 20 (see also 7.3.5.4.2);
- mains communication devices, as well as baby surveillance systems: IEC 61000-3-8;
- equipment for generation and use of radio frequency energy for heating and therapeutic purposes: CISPR 11;
- microwave ovens: CISPR 11 (but be aware of 1.3 on multifunction equipment);
- information technology equipment, e.g. home computers, personal computers, electronic copying machines: CISPR 22;
- electronic equipment to be used on motor vehicles: CISPR 12;
- radio controls, walkie-talkies and other types of radio-transmitters, also when used with toys.
- regulating controls and equipment with regulating controls incorporating semiconductor devices with a rated input current of more than 25 A per phase;
- stand-alone power supplies.

NOTE 2 Toys powered by the supply system of a motor-powered vehicle, ship or aircraft are not covered by this standard.