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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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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CISPR 14-1
Edition 6.0 2016-08

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

Part 1: Emission

INTERPRETATION SHEET 1

This interpretation sheet has been prepared by subcommittee CISPR F: Interference relating to household appliances tools, lighting equipment and similar apparatus, of IEC technical committee CISPR: International special committee on radio interference.

The text of this interpretation sheet is based on the following documents:

FDIS	Report on voting
CIS/F/703/FDIS	CIS/F/707/RVD

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

Interpretation Sheet 1 to CISPR 14-1: Interpretation of subclause 5.4.2.4 of CISPR 14-1:2016 on the upper quartile method for the evaluation of clicks

Introduction

The evaluation of clicks has to be performed at four frequencies while the determination of the click rate N is made only at two frequencies. The application of the upper quartile method at the frequencies 150 kHz and 500 kHz is clear, while the situation is unclear for the frequencies 1,4 MHz and 30 MHz. This interpretation sheet is intended to clarify this matter.

The click measurement procedure is under revision in CISPR/F WG1 and will be updated in the next amendment to CISPR 14-1:2016.

Question

How should the upper quartile method be applied at the frequencies 1,4 MHz and 30 MHz?

Interpretation

Each of the following two interpretations is valid.

Interpretation 1:

The number of clicks at 1,4 MHz and the number of clicks at 30 MHz which exceed the limit, L , for continuous disturbances during the observation time, T , are measured. The number of clicks at 1,4 MHz and the number of clicks at 30 MHz exceeding L_q are allowed to be one quarter of the number of clicks counted at each respective frequency.

Interpretation 2:

The number of clicks at 1,4 MHz and the number of clicks at 30 MHz which exceed the limit, L , for continuous disturbances during the observation time, T , are not measured but are assumed to be equal to the number of clicks counted at 500 kHz during the observation time T . The number of clicks at 1,4 MHz and the number of clicks at 30 MHz exceeding L_q are allowed to be one quarter of the number of clicks counted at 500 kHz.

In any situation where it is necessary to verify the original measurement, the assessment method (interpretation 1 or 2) originally chosen shall be used in order to ensure consistency of the results.

Withdrawing

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CISPR 14-1
Edition 6.0 2016-08

**ELECTROMAGNETIC COMPATIBILITY –
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INTERPRETATION SHEET 2

This interpretation sheet has been prepared by subcommittee CISPR F: Interference relating to household appliances tools, lighting equipment and similar apparatus, of IEC technical committee CISPR: International special committee on radio interference.

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Interpretation Sheet 2 to CISPR 14-1: Interpretation of subclause A.4.11 of CISPR 14-1:2016 on the assessment of irons with steam generator

Introduction

Subclause A.4.11 of CISPR 14-1:2016 defines the testing conditions for irons (dry or steam), but there are no instructions regarding the steam production.

Question

How to set the steam function of irons during CISPR 14-1 emission tests?

Interpretation

When measuring disturbances from irons, if the iron has a continuous steam function, it shall be operated in this mode only and use a sufficient amount of water to facilitate continuous steaming for the duration of the test.

Withdrawn

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INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

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Part 1: Emission

FOREWORD

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This sixth edition cancels and replaces the fifth edition published in 2005, Amendment 1:2008 and Amendment 2:2011. This edition constitutes a technical revision.

This edition includes the following significant changes with respect to the previous edition:

- full editorial review of the standard, rearranging the structure of several clauses;
- improvements to the operating conditions for testing induction cooking appliances and incorporation of the limits for these appliances in the body of the standard;

- moving all specific operating conditions to Annex A;
- improvement of definitions;
- addition of general and specific test setups (e.g. vacuum cleaners and robotic cleaners) for radiated emission;
- provision for the current probe test method for conducted disturbance measurements on ports other than the AC mains port in alternative to the voltage probe method;
- clarifications about click analysis (e.g. measurements under the presence of continuous disturbances). Further clarification is being developed for future inclusion;
- clarification about the use of the artificial hand;
- introduction of testing on wired network ports of household equipment (equivalent to CISPR 32 requirements);
- clarification in the scope regarding emissions from radio transmitters (copied verbatim from CISPR 32);
- clarification about the measurement of equipment with built-in luminaries.

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The contents of the corrigendum of October 2016 and the interpretation sheet 1 of May 2017 and 2 of May 2017 have been included in this copy.