



SLOVENSKI STANDARD
oSIST prEN IEC 55014-1:2025 (frag2)
01-maj-2025

Elektromagnetna združljivost - Zahteve za (električne) gospodinjske aparate, električna ročna orodja in podobne aparate - 1. del: Oddajanje

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

Compatibilité électromagnétique - Exigences pour les appareils électrodomestiques, les outils électriques et les appareils analogues - Partie 1: émissions

Ta slovenski standard je istoveten z: prEN IEC 55014-1:2025 {frag2}

ICS:

33.100.10	Emisija	Emission
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oSIST prEN IEC 55014-1:2025 (frag2) en



CIS/F/887/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

CISPR 14-1/FRAG2 ED8

DATE OF CIRCULATION:

2025-03-07

CLOSING DATE FOR VOTING:

2025-05-30

SUPERSEDES DOCUMENTS:

CIS/F/860/CD, CIS/F/877A/CC

IEC CIS/F : INTERFERENCE RELATING TO HOUSEHOLD APPLIANCES, TOOLS, LIGHTING EQUIPMENT AND SIMILAR APPARATUS

SECRETARIAT:

Australia

SECRETARY:

Ms Suba Ananth

OF INTEREST TO THE FOLLOWING COMMITTEES:

TC 61, CISPR

HORIZONTAL FUNCTION(S):

ASPECTS CONCERNED:

Electromagnetic Compatibility

☒ SUBMITTED FOR CENELEC PARALLEL VOTING☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING**Attention IEC-CENELEC parallel voting**

The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.

The CENELEC members are invited to vote through the CENELEC online voting system.

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

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

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

1 INTRODUCTION

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3 The CISPR F Plenary in November 2023 has decided to start maintenance of CISPR 14-1
4 (see decision 23/02 in CIS/F/846/DL) following the positive response detailed in
5 CIS/F/831/RQ.

6 The topics for maintenance have been further developed by WG1 and arranged in a series of
7 fragments named as follows:

8 Frag 1 – General technical and editorial changes

9 Frag 2 – Inclusion of requirements for microwave ovens from CISPR 11

10 Frag 3 – Magnetic field test method with small loop antenna

11 Frag 4 – Testing of products with radio functions

12 Frag 5 – Deletion of Annex D on statistical evaluation

13 Frag 6 – EUT height and height scan during radiated emission measurements

14 Frag 7 – Introduction of the APD measuring function in CISPR 14-1

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16 This document is the CDV for fragment 2. It is based on CIS/F/860/CD, CIS/F/877A/CC and
17 the discussions in CIS/F/WG1 during its meetings Nov. 2024.

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<https://standards.iteh.ai/catalog/standards/sist/212a1cf3-acac-4d6f-bbec-d23ec66d1307/osist-pren-iec-55014-1-2025-frag2>

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

Part 1: Emission

1 Scope

Add a new bullet item after Note 3:

- microwave ovens suitable for use in locations in residential environments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes (see Annex X)

Note X: Microwave ovens intended for use in all locations other than those allocated in residential environments and those directly connected to a low voltage power supply network which supplies buildings used for domestic purposes are in the scope of CISPR 11.

Note Y: During a transitional period, microwave ovens suitable for use in locations in residential environments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes, either CISPR 11 or CISPR 14-1 can be chosen for compliance."

Add the following new bullet item at the end of the list "Excluded from the scope of this document are:"

- Microwave applications for use in industrial environments, respectively classified in CISPR 11 as class A equipment, are covered by CISPR 11.

3.10 Abbreviated Terms

Add the following new abbreviations and sort them alphabetically into the existing list:

APD	Amplitude Probability Distribution
QP	Quasi-Peak
AV	Average

Add the following Annex X:

Annex X (normative)

Requirements for microwave ovens

X.1 General

This annex applies to microwave ovens suitable for use in locations in residential environments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

Note: Microwave applications for use in industrial environments, respectively classified in CISPR 11 as class A equipment, are covered by CISPR 11.

All disturbances have to be measured on a test site.

X.2 Limits for conducted disturbances

X.2.1 Frequency range 9 kHz to 150 kHz

In the frequency range 9 kHz to 150 kHz limits are not specified.

X.2.2 Frequency range 150 kHz to 30 MHz

Limits for the disturbance voltage at low voltage AC mains power ports in the frequency range 150 kHz to 30 MHz for equipment measured on a test site using the 50 Ω /50 μ H CISPR artificial mains network (V-AMN) or the CISPR voltage probe are given in Table X.1.

Limits for conducted disturbances at wired network ports in the frequency range 150 kHz to 30 MHz for equipment measured on a test site are given in Table X.2.

Table X.1 – Disturbance voltage limits (a.c. mains power port)

Frequency range MHz	Quasi-peak dB μ V	Average dB μ V
0,15 to 0,50	66 Decreasing linearly with logarithm of frequency to 56	56 Decreasing linearly with logarithm of frequency to 46
0,50 to 5	56	46
5 to 30	60	50
At the transition frequency, the more stringent limit shall apply.		