

Irish Standard I.S. EN 55016-2-2:2011

Specification for radio disturbance and immunity measuring apparatus and methods -- Part 2-2: Methods of measurement of disturbances and immunity - Measurement of disturbance power (CISPR 16-2-2:2010 (EQV))

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EUROPEAN STANDARD

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NORME EUROPÉENNE EUROPÄISCHE NORM

April 2011

Supersedes EN 55016-2-2:2004 + A1:2005 + A2:2005

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English version

Specification for radio disturbance and immunity measuring apparatus and methods -Part 2-2: Methods of measurement of disturbances and immunity -

Measurement of disturbance power

(CISPR 16-2-2:2010)

Spécifications des méthodes et des appareils de mesure des perturbations radioélectriques et de l'immunité aux perturbations radioélectriques -Partie 2-2: Méthodes de mesure des perturbations et de l'immunité -Mesure de la puissance perturbatrice (CISPR 16-2-2:2010) Anforderungen an Geräte und Einrichtungen sowie Festlegung der Verfahren zur Messung der hochfrequenten Störaussendung (Funkstörungen) und Störfestigkeit -Teil 2-2: Verfahren zur Messung der hochfrequenten Störaussendung (Funkstörungen) und Störfestigkeit -Messung der Störleistung (CISPR 16-2-2:2010)

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document CISPR/A/877/CDV, future edition 2 of CISPR 16-2-2, prepared by CISPR SC A, Radio-interference measurements and statistical methods, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 55016-2-2 on 2011-01-02.

This European Standard supersedes EN 55016-2-2:2004 + A1:2005 + A2:2005.

This EN 55016-2-2:2011 includes the following significant technical changes with respect to EN 55016-2-2:2004 + A1:2005 + A2:2005: provisions for the use of spectrum analyzers for compliance measurements (Annex D) and the use of FFT-based test instrumentation (Clauses 3, 6 and 8) are now included.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

| - | latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2011-10-02 |
|---|--|-------|------------|
| - | latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2014-01-02 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard CISPR 16-2-2:2010 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

| [1] CISPR 13 | NOTE | Harmonized as EN 55013. |
|-----------------------|------|---|
| [2] CISPR 14-1:2005 | NOTE | Harmonized as EN 55014-1:2006 (not modified). |
| [3] CISPR 16-2-1:2008 | NOTE | Harmonized as EN 55016-2-1:2009 (not modified). |

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

| Publication | Year | Title | <u>EN/HD</u> | Year |
|---------------|------|---|--------------|--------------------|
| CISPR 16-1-1 | 2010 | Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus | EN 55016-1-1 | 2010 |
| CISPR 16-1-3 | 2004 | Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power | EN 55016-1-3 | 2006 |
| CISPR 16-1-4 | _1) | Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements | EN 55016-1-4 | 2010 ²⁾ |
| CISPR 16-4-2 | _1) | Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Uncertainty in EMC measurements | EN 55016-4-2 | 2004 ²⁾ |
| IEC 60050-161 | 1990 | International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility | - | - |

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

SPECIFICATION FOR RADIO DISTURBANCE AND IMMUNITY MEASURING APPARATUS AND METHODS –

Part 2-2: Methods of measurement of disturbances and immunity – Measurement of disturbance power

FOREWORD

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International Standard CISPR 16-2-2 has been prepared by CISPR subcommittee A: Radiointerference measurements and statistical methods, in cooperation with CISPR subcommittee D: Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices.

This second edition cancels and replaces the first edition (2003), its Amendment 1 (2004) and Amendment 2 (2005). It constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition: provisions for the use of spectrum analyzers for compliance measurements (Annex D) and the use of FFT-based test instrumentation (Clauses 3, 6 and 8) are now included.

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It has the status of a basic EMC publication in accordance with IEC Guide 107, *Electromagnetic compatibility – Guide to the drafting of electromagnetic compatibility publications.*

The text of this standard is based on the following documents:

| CDV | Report on voting |
|-----------------|------------------|
| CISPR/A/877/CDV | CISPR/A/896/RVC |

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.

A list of all parts of the CISPR 16 series can be found on the IEC website under the general title *Specification for radio disturbance and immunity measuring apparatus and methods.*

The committee has decided that the contents of this publication will remain unchanged until the stability 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

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