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INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

Specification for radio disturbance and immunity measuring apparatus and methods -
Part 4-4: The CISPR model for the calculation of limits for the protection of radio services

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-4: The CISPR model for the calculation of limits for the protection of radio services

FOREWORD

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CISPR TR 16-4-4 has been prepared by subcommittee H: Limits for the protection of radio services, of IEC technical committee CISPR. It is a Technical report.

This third edition cancels and replaces the second edition published in 2007, Amendment 1:2017 and Amendment 2:2020. This edition constitutes a technical revision.

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

a) full revision of the limit calculation model;
b) the content on statistics of complaints was taken from this publication and published as separate document (CISPR TR 16-4-6);

c) application cases/rationales were separated from the model and will be handled in another document to be drafted.

The text of this Technical Report is based on the following documents:

Draft	Report on voting
CIS/H/524/DTR	CIS/H/536A/RVDTR

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

The language used for the development of this Technical Report is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at http://www.iec.ch/standardsdev/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

– reconfirmed,
– withdrawn, or
– revised.

1 Scope

This Part of CISPR 16-4 establishes the CISPR model for the calculation of limits for the protection of radio services, based on data from the IEC Radio Services Database (RSD) and estimations of the input values for related probabilistic factors.

This is part of the process of the derivation of disturbance limits in the radio frequency spectrum for use in publications containing emission requirements.

Application of this document leads to a frequency dependent limit result for a particular disturbance phenomenon and the considered product or product type establishing the technical basis in the CISPR limit specification procedure.

NOTE Non-technical parameters and terms that can be considered to influence a limit for inclusion in IEC publications are excluded from the modelling (see also 4.6.5.3).

2 Normative references

There are no normative references in this document.