AS/NZS CISPR 16.1.2:2015
CISPR 16-1-2, Ed 2.0 (2014)

AS/NZS CISPR 16.1.2:2015

Australian/New Zealand Standard™

Specification for radio disturbance and immunity measuring apparatus and methods

Part 1.2: Radio disturbance and immunity measuring apparatus—Coupling devices for conducted disturbance measurements

STANDARDS Australia

STANDARDS NEW ZEALAND PAEREWA AOTEAROA

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Compatibility. It was approved on behalf of the Council of Standards Australia on 1 May 2015 and on behalf of the Council of Standards New Zealand on 9 May 2015.
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The following are represented on Committee TE-003:

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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

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Australian/New Zealand Standard™

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Compatibility, to supersede AS/NZS CISPR 16.1.2:2012.

The objective of this Standard is to specify the characteristics and performance of equipment for the measurement of disturbance voltages and currents.

This Standard is identical with, and has been reproduced from CISPR 16-1-2, Ed 2.0 (2014), *Specification for radio disturbance and immunity measuring apparatus and methods*, Part 1-2: *Radio disturbance and immunity measuring apparatus—Coupling devices for conducted disturbance measurements*.

The principal differences between this and the previous edition are the inclusion of the CDNE (coupling decoupling network for emission measurements) for measurements of disturbance voltage and moving requirements from CISPR 22 for the AAN (asymmetric artificial network) into this standard.

As this Standard is reproduced from an International Standard, the following applies:

(a) In the source text 'this part of CISPR 16' should read 'this Australian/New Zealand Standard'.

(b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian/New Zealand Standard*	
CISPR		AS/NZS CISPR	
16	Specification for radio disturbance and immunity measuring apparatus and methods	16	Specification for radio disturbance and immunity measuring apparatus and methods
16-1-1: 2010	Part 1-1: Radio disturbance and immunity measuring apparatus—Measuring apparatus	16.1.1: 2012	Part 1.1: Radio disturbance and immunity measuring apparatus—Measuring apparatus
16-2-1: 2014	Part 2-1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements	16.2.1: 2015	Part 2.1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements
16-4-2: 2011	Part 4-2: Uncertainties, statistics and limit modelling—Measurement instrumentation uncertainty	16.4.2:2013	Part 4.2: Uncertainties, statistics and limit modelling—Measurement instrumentation uncertainty
IEC		AS	
60050	International Electrotechnical Vocabulary (series)	1852	International Electrotechnical vocabulary (series)
		AS/NZS	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-4-6: 2008	Part 4-6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio frequency fields	61000.4.6: 2013	Part 4.6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio frequency fields

Only normative references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annexes to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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1 Scope

This part of the CISPR 16 series specifies the characteristics and performance of equipment for the measurement of radio disturbance voltages and currents in the frequency range 9 kHz to 1 GHz.

NOTE In accordance with IEC Guide 107, CISPR 16 is a basic EMC standard for use by product committees of the IEC. As stated in Guide 107, product committees are responsible for determining the applicability of the EMC standard. CISPR and its sub-committees are prepared to co-operate with product committees in the evaluation of the value of particular EMC tests for specific products.

Specifications for ancillary apparatus are included for artificial mains networks, current and voltage probes and coupling units for current injection on cables.

It is intended that the requirements of this publication are fulfilled at all frequencies and for all levels of radio disturbance voltages and currents within the CISPR indicating range of the measuring equipment.

Methods of measurement are covered in the CISPR 16-2 series, and further information on radio disturbance is given in CISPR 16-3, while uncertainties, statistics and limit modelling are covered in the CISPR 16-4 series.

2 Normative references

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

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*

CISPR 16-2-1:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements*

CISPR 16-4-2:2011, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Measurement instrumentation uncertainty*

IEC 60050 (all parts), *International Electrotechnical Vocabulary* (available at <http://www.electropedia.org>)

IEC 61000-4-6:2008, *Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields*