

Australian/New Zealand Standard™

Specification for radio disturbance and immunity measuring apparatus and methods

Part 2.1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements



ASNZS CISPR 16.2.1:2015

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Part 2.1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements

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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 16.2.1:2012.

The objective of this Standard is to specify the methods of measurement of conducted disturbance phenomena.

This Standard is identical with, and has been reproduced from, CISPR 16-2-1, Ed 3.0 (2014) *Specification for radio disturbance and immunity measuring apparatus and methods, Part 2-1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements*.

The principal difference between this and the previous edition is the inclusion of the method of measurement using a new type of ancillary equipment—the CDNE (coupling decoupling network for emission measurements).

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

- (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.

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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
CISPR		AS/NZS CISPR	
14	Electromagnetic compatibility—Requirements for household appliances, electric tools and similar apparatus	14	Electromagnetic compatibility—Requirements for household appliances, electric tools and similar apparatus
14-1	Part 1:Emission	14.1	Part 1:Emission
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
16-1-2:2014	Part 1-2: Radio disturbance and immunity measuring apparatus—Coupling devices for conducted disturbance measurements	16.1.2:2015	Part 1.2: Radio disturbance and immunity measuring apparatus—Coupling devices for conducted disturbance measurements
16-4-2	Part 4-2: Uncertainties, statistics and limit modelling—Measurement instrumentation uncertainty	16.4.2	Part 4.2: Uncertainties, statistics and limit modelling—Measurement instrumentation uncertainty
IEC 60050	International Electrotechnical Vocabulary (series)	AS 1852	International Electrotechnical vocabulary (series)

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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AUSTRALIAN/NEW ZEALAND STANDARD

Specification for radio disturbance and immunity measuring apparatus and methods

Part 2.1:

Methods of measurement of disturbances and immunity—Conducted disturbance measurements**1 Scope**

This part of CISPR 16 is designated a basic standard, which specifies the methods of measurement of disturbance phenomena in general in the frequency range 9 kHz to 18 GHz and especially of conducted disturbance phenomena in the frequency range 9 kHz to 30 MHz. With a CDNE, the frequency range is 9 kHz to 300 Hz.

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.

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 14-1, *Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission*

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 16-1-2:2014, *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*

CISPR 16-4-2, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Uncertainty in EMC measurements*

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