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CISPR 16-6-4:2003
Reconfirmed 2016

Australian/New Zealand Standard™

Specification for radio disturbance and immunity measuring apparatus and methods

Part 2.4: Methods of measurement of disturbances and immunity—Immunity measurements

STANDARDS AUSTRALIA

STANDARDS NEW ZEALAND
Paerewa Aotearoa

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Interference. It was approved on behalf of the Council of Standards Australia on 24 March 2004 and on behalf of the Council of Standards New Zealand on 16 April 2004. It was published on 2 June 2004.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF
AS/NZS CISPR 16.2.4:2004
Specification for radio disturbance and immunity measuring apparatus and methods
Part 2.4: Methods of measurement of disturbances and immunity—Immunity measurements

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Technical Committee TE-003 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Australian/New Zealand Standard™

Specification for radio disturbance and immunity measuring apparatus and methods

Part 2.4: Methods of measurement of disturbances and immunity—Immunity measurements

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Interference to supersede AS/NZS CISPR 16.2:2002.

This Standard is identical with, and has been reproduced from, CISPR 16-6-4:2003, *Specification for radio disturbance and immunity measuring apparatus and methods,* Part 2-4: *Methods of measurement of disturbances and immunity—Immunity measurements*.

The objective of this Standard is to specify the methods of measurement of immunity to EMC phenomena in the frequency range 9 kHz to 18 GHz.

This Standard is Part 2.4 of AS/NZS CISPR 16.2, *Specification for radio disturbance and immunity measuring apparatus and methods*, which consists of the following:

Part 2.1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements
Part 2.2: Methods of measurement of disturbances and immunity—Measurement of disturbance power
Part 2.3: Methods of measurement of disturbances and immunity—Radiated disturbance measurements
Part 2.4: Methods of measurement of disturbances and immunity—Immunity measurements (this Standard)

The terms ‘normative’ and ‘informative’ are used to define the application of the annex to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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

(a) Its number appears on the cover and title page while the international standard number appears only on the cover.

(b) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand Standard’.

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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
16-1-2	Part 1-2: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Conducted disturbances	16.1.2	Part 1.2: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Conducted disturbances
16-1-4	Part 1-4: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Radiated disturbances	16.1.4	Part 1.4: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Radiated disturbances

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Specification for radio disturbance and immunity measuring apparatus and methods Part 2.4: Methods of measurement of disturbances and immunity— Immunity measurements

1 Scope

This part of CISPR 16 is designated a basic standard, which specifies the methods of measurement of immunity to EMC phenomena in the frequency range 9 kHz to 18 GHz.

2 Normative references

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.

IEC 60083:1997, Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC

IEC 60364-4: Electrical installations of buildings – Part 4: Protection for safety

CISPR 16-1-2:2003, Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Conducted disturbances

CISPR 16-1-4:2003, Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Ancillary equipment - Radiated disturbances

ITU-R Recommendation BS.468-4: Measurement of audio-frequency noise voltage level in sound broadcasting

3 Definitions

For the purpose of this part of CISPR 16, the definitions of IEC 60050(161) apply, as well as the following:

3.1

associated equipment

1) Transducers (e.g. probes, networks and antennas) connected to a measuring receiver or test generator

2) Transducers (e.g. probes, networks, antennas) which are used in the signal or disturbance transfer between an EUT and measuring equipment or a (test-) signal generator

3.2

EUT

the equipment (devices, appliances and systems) subjected to EMC (emission and immunity) compliance tests