Australian/New Zealand Standard™

Specification for radio disturbance and immunity measuring apparatus and methods

Part 2.2: Methods of measurement of disturbances and immunity—Measurement of disturbance power

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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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 16-2-2:2003, *Specification for radio disturbance and immunity measuring apparatus and methods,* Part 2-2: *Methods of measurement of disturbances and immunity—Measurement of disturbance power*.

The objective of this Standard is to specify the methods of measurement of disturbance power using the absorbing clamp in the frequency range 30 MHz to 1 000 MHz.

This Standard is Part 2.2 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 (this Standard)
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

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’.

(c) 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	
13	Sound and television broadcast receivers and associated equipment—Radio disturbance characteristics—Limits and methods of measurement	13	Sound and television broadcast receivers and associated equipment—Radio disturbance characteristics—Limits and methods of measurement
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	Part 1-1: Radio disturbance and immunity measuring apparatus—Measuring apparatus	16.1.1	Part 1.1: Radio disturbance and immunity measuring apparatus—Measuring apparatus
16-1-3	Part 1-3: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Disturbance power	16.1.3	Part 1.3: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Disturbance power

16-2-1	Part 2-1: Methods of measurement of immunity and disturbance—Conducted disturbance measurements	16.2.1	Part 2.1: Methods of measurement of immunity and disturbance—Conducted disturbance measurements
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1 Scope

This part of CISPR 16 is designated a basic standard, which specifies the methods of measurement of disturbance power using the absorbing clamp in the frequency range 30 MHz to 1 000 MHz.

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.

CISPR 13:2001, Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement

CISPR 14-1:2000, Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission

CISPR 16-1-1:2003, Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus

CISPR 16-1-3:2003, Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-3: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Disturbance power

CISPR 16-2-1:2003, Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of immunity and disturbance – Conducted disturbance measurements

CISPR 16-2-3, Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of immunity and disturbance – Radiated disturbance measurements

CISPR 16-2-4:2003, Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-4: Methods of measurement of immunity and disturbance – Immunity measurements

CISPR 16-3:2003, Specification for radio disturbance and Immunity measuring apparatus and methods – Part 3: CISPR technical reports

CISPR 16-4-1:2003, Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-1: Uncertainties, statistics and limit modelling – Uncertainties in standardized EMC tests