AS/NZS CISPR 11:2011
IEC CISPR 11, Ed. 5.1 (2010)

AS/NZS CISPR 11:2011

Australian/New Zealand Standard™

Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement

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 30 November 2010 and on behalf of the Council of Standards New Zealand on 10 December 2010.
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This Standard was issued in draft form for comment as DR AS/NZS CISPR 11.

Australian/New Zealand Standard™

Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement

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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 11:2004.

The objective of this Standard is to identify limits and methods of measurement of electromagnetic disturbance characteristics in ISM radio frequency equipment.

This Standard is identical with, and has been reproduced from IEC CISPR 11, Ed. 5.1 (2010), *Industrial, scientific and medical equipment—Radio-frequency disturbance characteristics—Limits and methods of measurement*.

The fifth edition of CISPR 11 has a more transparent structure, introduces another set of particular limits for conducted and radiated disturbances of 'heavy duty' general purpose equipment of class A group 1 with a rated input power in excess of 20 kVA, in accordance with the needs of the industries, and refers to the full approach in respect of the measurement instrumentation uncertainty specified in CISPR 16-4-4. Furthermore, any kind of 'legal statements' were removed from the normative main body of this Standard.

It has the status of a Product Family EMC standard in accordance with IEC Guide 107, *Electromagnetic compatibility—Guide to the drafting of electromagnetic compatibility* publications (2009).

The main content of this Standard is based on CISPR Recommendation No. 39/2, *Limits and methods of measurement of electromagnetic disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment.*

Considering that—

(a) ISM RF equipment is an important source of disturbance;

(b) methods of measuring such disturbances have been prescribed by the CISPR; and

(c) certain frequencies are designated by the International Telecommunication Union (ITU) for unrestricted radiation from ISM equipment.

CISPR recommends that the latest edition of CISPR 11 be used for the application of limits and methods of measurement of ISM equipment.

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

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

(ii) In the source text 'this International Standard' should read 'this Australian/New Zealand Standard'.

(iii) 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
16-1-4	Part 1-4: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Radiated disturbances (CISPR 16-1-4:2007)	16.1.4	Part 1.4: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Radiated disturbances (AS/NZS CISPR 16.1.4:2009)
16-4-2	Part 4-2: Uncertainties, statistics and limit modelling—Uncertainty in EMC measurements (CISPR 16-4-2:2003)	16.4.2	Part 4.2: Uncertainties, statistics and limit modelling—Uncertainty in EMC measurements (AS/NZS CISPR 16.4.2:2004)

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.

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