

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**



## **AS/NZS CISPR 16.2.2:2012**

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 12 October 2012 and on behalf of the Council of Standards New Zealand on 15 September 2012.  
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# 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**

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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 16.2.2:2006.

The objective of this Standard is to provide a basic standard which specifies the methods of measurement of disturbance power using the absorbing clamp in the frequency range 30 MHz to 1000 MHz.

This Standard is identical with, and has been reproduced from, CISPR 16-2-2, Ed 2.0 (2010), *Specification for radio disturbance and immunity measuring apparatus and methods—Part 2-2: Methods of measurement of disturbances and immunity—Measurement of disturbance power*.

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

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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
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
16-1-3 (2004)	Part 1-3: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Disturbance power	16.1.3 (2004)	Part 1.3: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Disturbance power
16-1-4	Part 1-4: Radio disturbance and immunity measurement apparatus—Antennas and test sites for radiated disturbance measurements	16.1.4	Part 1.4: Radio disturbance and immunity measurement apparatus—Antennas and test sites for radiated 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

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## 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****1 Scope**

This part of CISPR 16 specifies the methods of measurement of disturbance power using the absorbing clamp in the frequency range 30 MHz to 1 000 MHz.

NOTE In accordance with IEC Guide 107, CISPR 16-2-2 is a basic EMC publication 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 determination of the value of particular EMC tests for specific products.

**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 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 16-1-3:2004, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-3: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Disturbance power*

CISPR 16-1-4, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated 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 60050-161:1990, *International Electrotechnical Vocabulary (IEV) – Part 161: Electromagnetic compatibility*

**3 Terms and definitions**

For the purposes of this document, the terms and definitions given in IEC 60050-161, as well as the following apply.

**3.1****absorbing clamp measurement method****ACMM**

method for measurement of disturbance power of an equipment under test (EUT) by using an absorbing clamp device that is clamped around the lead(s) of the EUT