

Australian/New Zealand Standard™

**Specification for radio disturbance and  
immunity measuring apparatus and  
methods**

**Part 1.4: Radio disturbance and  
immunity measuring apparatus—  
Ancillary equipment—Radiated  
disturbances**

#### **AS/NZS CISPR 16.1.4:2004**

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 13 October 2004 and on behalf of the Council of Standards New Zealand on 1 October 2004.

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# Australian/New Zealand Standard™

## **Specification for radio disturbance and immunity measuring apparatus and methods**

### **Part 1.4: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Radiated disturbances**

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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 16.1.4:2004.

This Standard is identical with, and has been reproduced from, CISPR 16-1-4, Ed.1.1 (2004), *Specification for radio disturbance and immunity measuring apparatus and methods—Part 1.4: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Radiated disturbances*. Edition 1.1 is a consolidated version based on the first edition (2003) and its amendment 1 (2004).

The objective of this Standard is to provide the characteristics and performance of equipment for the measurement of radiated disturbances in the frequency range 9 kHz to 18 GHz.

This Standard is Part 1.4 of AS/NZS CISPR 16.1, *Specification for radio disturbance and immunity measuring apparatus and methods*, which consists of the following:

Part 1.1: Radio disturbance and immunity measuring apparatus—Measuring apparatus

Part 1.2: Radio disturbance and immunity measuring apparatus—Ancillary equipment—  
Conducted disturbances

Part 1.3: Radio disturbance and immunity measuring apparatus—Ancillary equipment—  
Disturbance power

Part 1.4: Radio disturbance and immunity measuring apparatus—Ancillary equipment—  
Radiated disturbances (this Standard)

Part 1.5: Radio disturbance and immunity measuring apparatus—Antenna calibration test sites  
for 30 MHz to 1000 MHz

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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	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

16-1-5	Part 1-5: Radio disturbance and immunity measuring apparatus—Antenna calibration test sites for 30 MHz to 1 000 MHz	16.1.5	Part 1.5: Radio disturbance and immunity measuring apparatus—Antenna calibration test sites for 30 MHz to 1 000 MHz
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
16-2-3	Part 2-3: Methods of measurement of immunity and disturbance—Radiated disturbance measurements	16.2.3	Part 2.3: Methods of measurement of immunity and disturbance—Radiated disturbance measurements
16-3	Part 3: CISPR technical reports	16.3	Part 3: CISPR technical reports
16-4-1	Part 4-1: Uncertainties, statistics and limit modelling—Uncertainties in standardized EMC tests	16.4.1	Part 4.1: Uncertainties, statistics and limit modelling—Uncertainties in standardized EMC tests
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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NOTES

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**Australian/New Zealand Standard****Specification for radio disturbance and immunity measuring apparatus  
and methods****Part 1.4: Radio disturbance and immunity measuring apparatus—  
Ancillary equipment—Radiated disturbances**

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**1 Scope**

This part of CISPR 16 is designated a basic standard, which specifies the characteristics and performance of equipment for the measurement of radiated disturbances in the frequency range 9 kHz to 18 GHz.

Specifications for ancillary apparatus are included for: antennas and test sites, TEM cells, and reverberating chambers.

The requirements of this publication shall be complied with at all frequencies and for all levels of radiated disturbances within the CISPR indicating range of the measuring equipment.

Methods of measurement are covered in Part 2-3, and further information on radio disturbance is given in Part 3 of CISPR 16. Uncertainties, statistics and limit modelling are covered in Part 4 of CISPR 16.

**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 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 16-1-5:2003, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-5: Radio disturbance and immunity measuring apparatus – Antenna calibration and site validation*

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 16-2-3:2003, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of immunity and disturbance – Radiated disturbance measurements*

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