

AS/NZS CISPR 16.2.1:2006  
CISPR 16-2-1:2005

AS/NZS CISPR 16.2.1:2006

Australian/New Zealand Standard™

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

**Part 2.1: Methods of measurement of  
disturbances and immunity—Conducted  
disturbance measurements**



## **AS/NZS CISPR 16.2.1:2006**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Interferences. It was approved on behalf of the Council of Standards Australia on 10 April 2006 and on behalf of the Council of Standards New Zealand on 19 May 2006.

This Standard was published on 2 June 2006.

---

The following are represented on Committee TE-003:

Australian Broadcasting Corporation  
Australian Chamber of Commerce and Industry  
Australian Communications and Media Authority  
Australian Electrical and Electronic Manufacturers Association  
Australian Information Industry Association  
Consumer Electronics Supplier Association  
Electrical Compliance Testing Association  
Engineers Australia  
Free TV Australia  
Ministry of Economic Development, New Zealand  
National Measurement Institute  
SingTel Optus  
Society of Automotive Engineers, Australasia  
Telstra Corporation  
University of Western Australia  
Wireless Institute Australia

---

### **Keeping Standards up-to-date**

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at [www.standards.com.au](http://www.standards.com.au) or Standards New Zealand web site at [www.standards.co.nz](http://www.standards.co.nz) and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

---

*This Standard was issued in draft form for comment as DR 06046.*

---

AS/NZS CISPR 16.2.1:2006

Australian/New Zealand Standard™

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

### **Part 2.1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements**

Originated as part of AS/NZS 1052.2:1999.  
Previous edition AS/NZS CISPR 16.2.1:2004.  
Second edition 2006.

#### **COPYRIGHT**

© Standards Australia/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 7463 6

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Interferences to supersede AS/NZS CISPR 16.2.1:2004.

This Standard is identical with, and has been reproduced from CISPR 16-2-1:2005, *Specification for radio disturbance and immunity measuring apparatus and methods—Part 2-1: Methods of measurement of disturbances and immunity—Conducted disturbance measurements*.

The objective of this Standard is to specify the methods of measurement of disturbance phenomena in general in the frequency range 9 kHz to 18 GHz and especially of conducted disturbance phenomena in the frequency range 9 kHz to 30 MHz.

This Standard is Part 2.1 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 (this Standard)
- 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

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this part of CISPR 16’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.
- (d) Any French text on figures should be ignored.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
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
116-1-1	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

CISPR		AS/NZS CISPR	
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
16-2-2	Methods of measurement of immunity and disturbance—Measurement of disturbance power	16.2.2	Methods of measurement of immunity and disturbance—Measurement of disturbance power
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
16-2-4	Part 2-4: Methods of measurement of immunity and disturbance—Immunity measurements	16.2.4	Part 2.4: Methods of measurement of immunity and disturbance—Immunity 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
16-4-3	Part 4-3: Uncertainties, statistics and limit modelling—Statistical considerations in the determination of EMC compliance of mass-produced Products	16.4.3	Part 4.3: Uncertainties, statistics and limit modelling—Statistical considerations in the determination of EMC compliance of mass-produced products
16-4-4	Part 4-4: Uncertainties, statistics and limit modelling—Statistics of complaints and a model for the calculation of limits	16.4.4	Part 4.4: Uncertainties, statistics and limit modelling—Statistics of complaints and a model for the calculation of limits

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The term ‘informative’ has been used in this Standard to define the application of the annex to which it applies. An ‘informative’ annex is only for information and guidance.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-