

Australian/New Zealand Standard™

**Electromagnetic compatibility—
Requirements for household appliances,
electric tools and similar apparatus**

**Part 2: Immunity—Product family
standard**



AS/NZS CISPR 14.2:2015

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Compatibility. It was approved on behalf of the Council of Standards Australia on 26 October 2015 and on behalf of the Council of Standards New Zealand on 22 October 2015.

This Standard was published on 16 December 2015.

The following are represented on Committee TE-003:

Australian Communications and Media Authority
Australian Industry Group
Australian Information Industry Association
Consumer Electronics Supplier Association
Curtin University of Technology
Department of Defence (Australian Government)
Electrical Compliance Testing Association
EMC Society of Australia
Energy Networks Association
Engineers Australia
Free TV Australia
Lighting Council Australia
Lighting Council New Zealand
Ministry of Business, Innovation and Employment, New Zealand
National Measurement Institute
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 Standards may also be withdrawn.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.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

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.

AS/NZS CISPR 14.2:2015

Australian/New Zealand Standard™

**Electromagnetic compatibility—
Requirements for household appliances,
electric tools and similar apparatus**

**Part 2: Immunity—Product family
standard**

Originated as AS/NZS 4780:2000.
Previous edition AS/NZS CISPR 14.2:2013.
Third edition 2015.

COPYRIGHT

© Standards Australia Limited/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, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 978 1 76035 339 1

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Compatibility, to supersede AS/NZS CISPR 14.2:2013.

The objective of this Standard is to establish uniform requirements for the electromagnetic immunity of the equipment mentioned in the scope, to fix test specifications of immunity, to refer to basic standards for methods of testing, and to standardize operating conditions, performance criteria and interpretation of results.

This Standard is identical with, and has been reproduced from CISPR 14-2, Ed. 2.0 (2015), *Electromagnetic compatibility—Requirements for household appliances, electric tools and similar apparatus, Part 2: Immunity—Product family standard*.

The principal differences between this and the previous edition are found in sections—

- (a) Clause 5.1 in regard to ESD tests on contacts, and also indirect discharges on HCP and VCP;
- (b) Clauses 5.3 and 5.4 in regard to conducted immunity tests on d.c. ports (now aligned with the generic standards) and also for EUTs with single mains cable and no other cable;
- (c) Clause 5.5 in regard to radiated immunity tests, introducing alternative method as per IEC 61000-4-22; and
- (d) Clause 5.6 in regard to surges for EUTs with no provision for earth connection.

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

- (i) In the source text ‘this part of CISPR 14’ should read ‘Australian/New Zealand Standard’.
- (ii) 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:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
IEC		AS/NZS IEC	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-4-2:2008	Part 4-2: Testing and measurement techniques— Electrostatic discharge immunity test	61000.4.2:2013	Part 4.2: Testing and measurement techniques— Electrostatic discharge immunity test
61000-4-3:2006 AMD1:2007 AMD2:2010	Part 4-3: Testing and measurement techniques— Radiated, radio-frequency, electromagnetic field immunity test	61000.4.3:2013	Part 4.3: Testing and measurement techniques— Radiated, radio-frequency, electromagnetic field immunity test
61000-4-4: 2012	Part 4-4: Testing and measurement techniques— Electrical fast transient/burst immunity test	61000.4.4:2013	Part 4.4: Testing and measurement techniques— Electrical fast transient/burst immunity test

IEC 61000-4-11:2004	Part 4-11: Testing and measurement techniques—Voltage dips, short interruptions and voltage variations immunity tests	AS/NZS 61000.4.11:2005	Part 4.11: Testing and measurement techniques—Voltage dips, short interruptions and voltage variations immunity tests (IEC 61000-4-11, Ed. 2.0 (2004) MOD)
CISPR 14	Electromagnetic compatibility—Requirements for household appliances, electric tools and similar apparatus	AS/NZS CISPR 14	Electromagnetic compatibility—Requirements for household appliances, electric tools and similar apparatus
14-1:2005 AMD1:2008 AMD2:2011	Part 1: Emission	14.1:2013	Part 1: Emission

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

The term ‘informative’ has been used 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](#)
-