AS/NZS CISPR 14.2:2015 CISPR 14-2, Ed. 2.0 (2015)

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.

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This Standard was issued in draft form for comment as DR 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

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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 Zeland 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:

Reference to International Standard

Australian/New Zealand Standard

| 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 |

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| 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 14-1:2005 AMD1:2008 AMD2:2011 | Electromagnetic compatibility—Requirements for household appliances, electric tools and similar apparatus Part 1: Emission | AS/NZS CISPR 14 14.1:2013 | Electromagnetic compatibility—Requirements for household appliances, electric tools and similar apparatus 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.



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