AS/NZS CISPR 32:2015
CISPR 32, Ed. 2.0 (2015)

AS/NZS CISPR 32:2015

Australian/New Zealand Standard™

Electromagnetic compatibility of multimedia equipment– Emission requirements

STANDARDS Australia

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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
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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 Standards may also be withdrawn.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.

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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 AS/NZS CISPR 32:2015.

Australian/New Zealand Standard™

Electromagnetic compatibility of multimedia equipment—Emission requirements

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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 32:2013.

The objective of this Standard is to establish requirements which provide an adequate level of protection of the radio spectrum, allowing radio services to operate as intended, and to specify procedures to ensure the reproducibility of measurement and the repeatability of results.

This Standard is identical with, and has been reproduced from CISPR 32, Ed. 2.0 (2015), *Electromagnetic compatibility of multimedia equipment—Emission requirements.*

The principal differences between this and the previous edition are as follows:

(a) Additional requirements using a FAR.

(b) Additional requirements for outdoor unit of home satellite receiving systems.

(c) Addition of new informative annexes covering GTEM and RVC.

(d) Numerous maintenance items to improve the testing of MME.

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

(i) In the source text 'this International Standard' should read 'this 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:

Reference to International Standard		*Australian/New Zealand Standard*	
CISPR 16	Specification for radio disturbance and immunity measuring apparatus and methods	AS/NZS CISPR 16	Specification for radio disturbance and immunity measuring apparatus and methods
16-1-1:2010 AMD1:2010 AMD2:2014	Part 1-1: Radio disturbance and immunity measuring apparatus—Measuring apparatus	16.1.1:2012 AMD1:2015	Part 1.1: Radio disturbance and immunity measuring apparatus—Measuring apparatus
16-1-2:2003 AMD1:2004 AMD2:2006	Part 1-2: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Conducted disturbances	16.1.2:2012	Part 1.2: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Conducted disturbances
16-1-4:2010 AMD1:2012	Part 1-4: Radio disturbance and immunity measuring apparatus—Antennas and test sites for radiated disturbance measurements	16.1.4:2013	Part 1.4: Radio disturbance and immunity measuring apparatus—Antennas and test sites for radiated disturbance measurements

CISPR 16-2-3:2010 AMD1:2010 AMD2:2014	Part 2-3: Methods of measurement of disturbances and immunity—Radiated disturbance measurements	AS/NZS CISPR 16.2.3:2012 AMD1:2015	Part 2.3: Methods of measurement of disturbances and immunity—Radiated disturbance measurements
16-4-2: 2011	Part 4-2: Uncertainties, statistics and limit modelling—Measurement instrumentation uncertainty	16.4.2:2013	Part 4.2: Uncertainties, statistics and limit modelling—Measurement instrumentation uncertainty
IEC 61000	Electromagnetic compatibility (EMC)	AS/NZS IEC 61000	Electromagnetic compatibility (EMC)
61000-4-6:2008	Part 4-6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields	61000.4.6:2013	Part 4.6: Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields
ISO/IEC 17025:2005	General requirements for the competence of testing and calibration laboratories	AS ISO/IEC 17025—2005	General requirements for the competence of testing and calibration laboratories

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

The terms ‘normative’ and ‘informative’ are used to define the application of the annexes to which they apply. A normative annex is an integral part of a standard, whereas an informative annex is only for information and guidance.

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1 Scope

NOTE Blue coloured text within this document indicates text that will be aligned with the future MME immunity publication CISPR 35.

This International Standard applies to multimedia equipment (MME) as defined in 3.1.24 and having a rated r.m.s. AC or DC supply voltage not exceeding 600 V.

Equipment within the scope of CISPR 13 or CISPR 22 is within the scope of this publication.

MME intended primarily for professional use is within the scope of this publication.

The radiated emission requirements in this standard are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU, nor to any spurious emissions related to these intentional transmissions.

Equipment, for which emission requirements in the frequency range covered by this publication are explicitly formulated in other CISPR publications (except CISPR 13 and CISPR 22), are excluded from the scope of this publication.

In-situ testing is outside the scope of this publication.

This publication covers two classes of MME (Class A and Class B). The MME classes are specified in Clause 4.

The objectives of this publication are:

1) to establish requirements which provide an adequate level of protection of the radio spectrum, allowing radio services to operate as intended in the frequency range 9 kHz to 400 GHz;
2) to specify procedures to ensure the reproducibility of measurement and the repeatability of results.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 16-1-1:2010/AMD1:2010
CISPR 16-1-1:2010/AMD2:2014