

Australian/New Zealand Standard™

**Radio equipment and systems—Short
range devices—Limits and methods of
measurement**



AS/NZS 4268:2003

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee RC-006, Radiocommunications Equipment—General. It was approved on behalf of the Council of Standards Australia on 29 September 2003 and on behalf of the Council of Standards New Zealand on 30 September 2003. This Standard was published on 29 December 2003.

The following are represented on Committee RC-006:

Australian Communications Authority
Australian Electrical and Electronic Manufacturers Association
Civil Aviation Safety Authority
Department of Defence, Australia
Electromagnetic Compatibility Society of Australia
Electromagnetic Technical Evaluation Committee
Ministry of Economic Development, New Zealand
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Australian/New Zealand Standard™

Radio equipment and systems—Short range devices—Limits and methods of measurement

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee RC-006, *Radiocommunications Equipment—General* to supersede AS 4268.1—1996 and AS 4268.2—1995.

This Standard incorporates Amendments No. 1 (November 2005) and No. 2 (September 2006). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to provide limits and methods of measurement for short range devices placed on the Australian market, and authorized for use by the Radiocommunications (Low Interference Potential Devices) Class Licence 2000 (LIPD) and Radiocommunications (Radio-controlled Models) Class Licence 2002 Class Licences issued by the Australian Communications Authority, or short range devices placed on the New Zealand market, and authorized for use by the General User Radio Licence (GURL) issued by the New Zealand Ministry of Economic Development.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Radio equipment and systems—Short range devices—Limits and methods of measurement****1 SCOPE**

This Standard applies to Short Range Devices (SRDs) commonly used for radiocommunication in Australia and New Zealand. Examples of SRDs are: alarms, baby monitors, garage door openers, data collection systems, retail and logistic systems, telecommand applications, wireless home data telemetry and/or security systems, and keyless automobile entry systems. SRDs use all types of modulation, may be fixed, mobile or portable and have dedicated, and/or integral antennas.

In Australia and New Zealand, SRDs may be referred to as Low Interference Potential Devices (LIPDs). In New Zealand, before 2002, SRDs were known as Restricted Radiation Devices (RRDs).

A2 | This Standard specifies the minimum performance and methods of measurement for Short Range Devices supplied for use under the following Radiocommunications Licences:

- (a) **Australia** The *Radiocommunications (Low Interference Potential Devices) Class Licence 2000* and the *Radiocommunications (Radio-controlled Models) Class Licence 2002*. Other requirements also exist under the Radiocommunications Compliance and Labelling scheme.
- (b) **New Zealand** The *Radiocommunications Regulations (General User Radio Licence for Short Range Devices) Notice* hereafter referred to as the General User Radio Licence or GURL.

SRDs can be expected to be sharing radiofrequency spectrum with other radiocommunications devices. It is a condition of operation of an SRD that the device not cause interference to other radiocommunications devices. If an SRD causes harmful interference to authorized radiocommunications devices, even if the SRD complies with all of the technical Standards and equipment authorization requirements in the National rules, the user of that device is in breach of the conditions of operation of that device. As well, SRDs are not afforded protection from interference caused by other radiocommunications services.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment— Electromagnetic disturbance characteristics—Limits and methods of measurement
CISPR 16	CISPR specification for radio disturbance and immunity measuring apparatus and methods
CISPR 16.1	Part 1: Radio disturbance and immunity measuring apparatus
CISPR 22	Information technology equipment—Radio disturbance characteristics— Limits and methods of measurement