

Australian/New Zealand Standard™

**Vehicles, boats and internal combustion
engines—Radio disturbance
characteristics—Limits and methods of
measurement for the protection of off-
board receivers**



AS/NZS CISPR 12:2013

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Interference. It was approved on behalf of the Council of Standards Australia on 31 May 2013 and on behalf of the Council of Standards New Zealand on 23 April 2013.
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This Standard was issued in draft form for comment as DR AS/ NZS CISPR 12.

Australian/New Zealand Standard™

Vehicles, boats and internal combustion engines—Radio disturbance characteristics—Limits and methods of measurement for the protection of off-board receivers

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Interference, to supersede AS/NZS CISPR 12:2006, *Vehicles, boats, and internal combustion engine driven devices—Radio disturbance characteristics—Limits and methods of measurement for the protection of receivers except those installed in the vehicle/boat/device itself or in adjacent vehicles/boats/device*.

The objective of this Standard is to provide limits and methods of measurement for the protection of broadcast receivers in the frequency range of 30 MHz to 1000 MHz when used in the residential environment.

Compliance with this Standard may not provide adequate protection for new types of radio transmissions or receivers used in the residential environment nearer than 10 m to the vehicle, boat or device.

This Standard is identical with, and has been reproduced from CISPR 12, Ed.6.1 (2009), *Vehicles, boats and internal combustion engines—Radio disturbance characteristics—Limits and methods of measurement for the protection of off-board receivers*. Edition 6.1 of CISPR 12 incorporates Amendment 1 (2009). The amendments are indicated by marginal bars.

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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
CISPR		AS/NZS CISPR	
16	Specification for radio disturbance and immunity measuring apparatus and methods	16	Specification for radio disturbance and immunity measuring apparatus and methods
16-1-1 (2006)	Part 1-1: Radio disturbance and immunity measuring apparatus—Measuring apparatus	16.1.1 (2006)	Part 1.1: Radio disturbance and immunity measuring apparatus—Measuring apparatus
16-1-3 (2004)	Part 1-3: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Disturbance power	16.1.3 (2004)	Part 1.3: Radio disturbance and immunity measuring apparatus—Ancillary equipment—Disturbance power
25	Vehicles, boats and internal combustion engines—Radio disturbance characteristics—Limits and methods of measurement for the protection of on-board receivers	25	Vehicles, boats and internal combustion engines—Radio disturbance characteristics—Limits and methods of measurement for the protection of on-board receivers

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

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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INTRODUCTION

There is a specific need for standards to define acceptable radio frequency performance of all electrical/electronic products. CISPR 12 has been developed to serve the road vehicle and related industries with test methods and limits that provide satisfactory protection for radio reception.

CISPR 12 has been used for many years as a regulatory requirement in numerous countries, to provide protection for radio receivers in the residential environment. It has been extremely effective in protecting the radio environment outside the vehicle.