AS/NZS CISPR 12:2004
CISPR 12:2001

Australian/New Zealand Standard™

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/devices

STANDARDS AUSTRALIA

STANDARDS NEW ZEALAND
Paerewa Aotearoa

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 27 January 2004 and on behalf of the Council of Standards New Zealand on 23 February 2004. It was published on 22 April 2004.

The following are represented on Committee TE-003:

Australian Broadcasting Corporation
Australian Chamber of Commerce and Industry
Australian Communications Authority
Australian Electrical and Electronic Manufacturers Association
Australian Information Industry Association
Commercial TV Australia
Consumer Electronics Suppliers Association
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This Standard was issued in draft form for comment as DR 02641.

Australian/New Zealand Standard™

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/devices

Originated in Australia as AS 2557—1982.
Originated in New Zealand as NZS 6621:1972.
Previous edition AS/NZS 2557:1999.
Jointly revised and redesignated as AS/NZS CISPR 12:2004.

Jointly published by Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 5858 4

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Interference to supersede AS/NZS 2557:1999 *Limits and methods of measurement of radio interference characteristics of vehicles, motor boats and spark-ignited engine-driven devices* which remains available.

This Standard is identical with, and has been reproduced, from CISPR 12:2001, *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 of protection for broadcast receivers in the frequency range of 30 MHz to 1 000 MHz when used in the residential environment. This Standard applies to the emission of broadband and narrowband electromagnetic energy which may cause interference to radio reception and which is emitted from vehicles or boats propelled by an internal combustion engine, electrical means or both, and devices equipped with an internal combustion engine. Aircraft and traction systems are beyond the scope of this Standard, nor does it specify the measurement of electromagnetic disturbances while the vehicle is connected to power mains for charging.

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

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

(a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.

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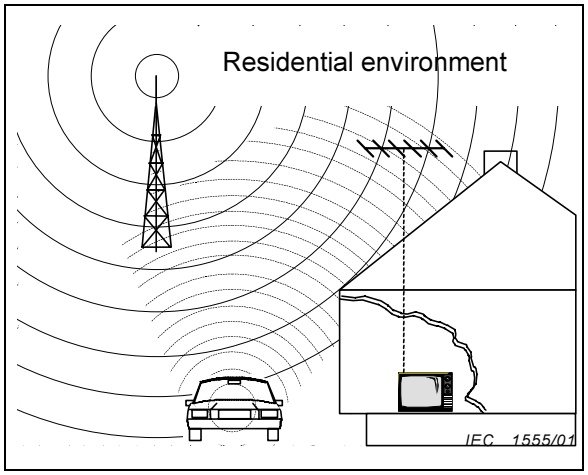
Vehicles, boats and internal combustion engine driven devices—Radio disturbance characteristics—Limits and methods of measurement for the protection of receivers except those installed in the vehicle/boat/device itself or in adjacent vehicles/boats/devices

1 Scope

The limits in this International Standard are designed to provide protection for broadcast receivers in the frequency range of 30 MHz to 1 000 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 or device.



NOTE 1 Experience has shown that compliance with this standard may provide satisfactory protection for receivers of other types of transmissions when used in the residential environment, including radio transmissions in frequency ranges other than that specified.

This standard applies to the emission of broadband and narrowband electromagnetic energy which may cause interference to radio reception and which is emitted from

a) vehicles propelled by an internal combustion engine, electrical means or both (see 3.1);

b) boats propelled by an internal combustion engine, electrical means or both (see 3.2). Boats are to be tested in the same manner as vehicles except where they have unique characteristics as explicitly stated in this standard;

c) devices equipped with internal combustion engines (see 3.3).

This standard includes limits and test methods for both broadband and narrowband emissions.

This standard does not apply to aircraft, traction systems (railway, tramway and trolley bus), or to incomplete vehicles.

NOTE 2 Protection of receivers used on board the same vehicle as the disturbance source(s) are covered by CISPR 25.

The measurement of electromagnetic disturbances while the vehicle is connected to power mains for charging is not covered in this standard. The user is referred to appropriate IEC and CISPR standards which define measurement techniques and limits for this condition.