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AS/NZS 4251.1:1999 Electromagnetic compatibility - Generic emission standard - Part 1: Residential, commercial and light industry

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Abbreviation

AS/NZS 4251.1:1999

Valid from

04/03/1999

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Standards New Zealand

Author

Standards New Zealand, Standards Australia

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New Zealand Standard

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Cited By

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Description

This Standard specifies limits and test methods for electrical and electronic equipment intended for use in residential, commercial and light industrial environments (excluding equipment used to radiate electromagnetic energy for radio communication purposes) for which no dedicated product or product family emission standard exists.

The Standard is one of a series of standards applicable to electromagnetic compatibility.

This Standard is identical with and has been reproduced from CISPR 61000-6-3:1996.

Scope

This Standard for emission requirements applies to electrical and electronic apparatus intended for use in the residential, commercial and light-industrial environment, as described in clause 5, for which no dedicated product or product-family emission standard exists. Apparatus designed to radiate electromagnetic energy for radio communication purposes is excluded from this standard.

Disturbances in the frequency range 0 Hz to 400 GHz are covered.

Where a relevant dedicated product or product-family EMC emission standard exists, this shall take precedence over all aspects of this generic standard.

The emission requirements have been selected so as to ensure that disturbances generated by apparatus operating normally at residential, commercial and light- industrial locations do not exceed a level which could prevent other apparatus from operating as intended. Fault conditions of apparatus are not taken into account.

Apparatus installed in the locations covered by this standard are considered to be directly connected to low-voltage public mains supplies or to a dedicated d.c. source which is intended to interface between the apparatus and the low-voltage public mains supply. Apparatus intended to be connected to an industrial power network or to special power supply sources are covered by another generic standard.

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