

Australian/New Zealand Standard™

**Sound and television broadcast  
receivers and associated equipment—  
Immunity characteristics—Limits and  
methods of measurement**



## **AS/NZS CISPR 20:2006**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TE-003, Electromagnetic Interferences. It was approved on behalf of the Council of Standards Australia on 10 April 2006 and on behalf of the Council of Standards New Zealand on 19 May 2006.

This Standard was published on 2 June 2006.

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The following are represented on Committee TE-003:

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Australian Communications and Media Authority  
Australian Electrical and Electronic Manufacturers Association  
Australian Information Industry Association  
Consumer Electronics Supplier Association  
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*This Standard was issued in draft form for comment as DR 06066.*

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First published as AS/NZS CISPR 20:2006.

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Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 7466 0

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TE-003, Electromagnetic Interferences, as one of a series of Standards intended to facilitate control of electromagnetic interference and the compatibility of electrical and electronic equipment.

This Standard is identical with, and has been reproduced from CISPR 20:2005, *Sound and television broadcast receivers and associated equipment—Immunity characteristics—Limits and methods of measurement*.

The objective of this Standard is to provide methods of measurement and specified limits applicable to sound and television receivers and to associated equipment with regard to their immunity characteristics to disturbing signals. This Standard is also applicable to the immunity of outdoor units of direct to home (DTH) satellite receiving systems for individual reception. Defines the immunity test requirements for equipment defined in the scope in relation to continuous and transient, conducted and radiated disturbances including electrostatic discharges. Immunity requirements are given in the frequency range 0 Hz to 400 GHz. Test requirements are specified for each port (enclosure or connector) considered.

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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	Part 1-1: Radio disturbance and immunity measuring apparatus—Measuring apparatus	16.1.1	Part 1-1: Radio disturbance and immunity measuring apparatus—Measuring apparatus
16-1-3	Part 1-3: Reports and recommendations of CISPR	16.1.3	Part 1.3: Reports and recommendations of CISPR
22	Information technology equipment—Radio disturbance characteristics—Limits and methods of measurement	22	Information technology equipment—Radio disturbance characteristics—Limits and methods of measurement
24	Information technology equipment—Immunity characteristics—Limits and methods of measurement	24	Information technology equipment—Immunity characteristics—Limits and methods of measurement

IEC		AS/NZS	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-4	Part 4: Testing and measurement techniques	61000.4.2	Part 4.2: Testing and measurement techniques—Electrostatic discharge
61000-4-2	Section 2: Electrostatic discharge immunity test		
61000-4-3	Section 3: Radiated, radio-frequency, electromagnetic field immunity test	61000.4.3	Part 4.3: Testing and measurement techniques—Radiated radio-frequency electromagnetic field immunity test
61000-4-4	Section 4: Electrical fast transient/burst immunity test	61000.4.4	Part 4.4: Testing and measurement techniques—Electrical fast transient/burst immunity test.

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