

Australian/New Zealand Standard™

Analogue speech (angle modulated) equipment operating in land mobile and fixed services bands in the frequency range 29.7 MHz to 1 GHz



AS/NZS 4295:2015

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 24 April 2015 and on behalf of the Council of Standards New Zealand on 23 April 2015.
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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/NZS 4295:2004.

This Standard incorporates Amendment No. 1 (November 2015). 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 revision is to more closely align the testing requirements and testing methods with those used in Europe. This has been achieved by making extensive reference to ETSI EN 300 086-1 (see Clause 1.2).

This revision continues to specify the essential operational and marking requirements and required radiofrequency characteristics for operation within the Australian and New Zealand radiofrequency spectrum arrangements which have been required in past versions.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for analogue speech (angle modulated) equipment operating in the VHF and UHF land mobile and fixed service radiofrequency bands in the range 29.7 MHz to 1 GHz that are not subject to spectrum licensing arrangements.

Categories of equipment within this range include the following:

- (a) Base, mobile, personal mobile and RF control stations operating in the designated land mobile bands in the frequency range 29.7 MHz to 1 GHz with channel spacings of 12.5 kHz, 20 kHz (in Australia see Clause 3.11) or 25 kHz.
- (b) Fixed point-to-point and point-to-multipoint equipment operating in the designated single channel fixed service bands in the frequency range 29.7 MHz to 1 GHz with channel spacings of 12.5 kHz or 25 kHz. The labelling arrangements of Clause 3.3 still apply.
- (c) Personal mobile, fixed and repeater equipment operating in the maritime mobile service and used for on-board communications in the frequency band 450 MHz to 470 MHz.
- (d) Narrowband Area Service (NAS) transmitters used in Australia, with performance requirements identical to land mobile radio service (LMRS) base stations.
- (e) Coast stations in the VHF maritime mobile service.

1.2 APPLICATION

Equipment shall comply with the mandatory test conditions, requirements and limits described in this Standard and those of ETSI Standard EN 300 086-1. Where the requirements of Section 3 are a relaxation in comparison to the ETSI requirements (e.g. transmitter adjacent channel power) then the limits of this Standard shall be applied when assessing compliance to this Standard.

1.3 REFERENCE DOCUMENT

The following document is referred to in this Standard:

ETSI EN

300 086 Electromagnetic compatibility and radio spectrum matters (ERM)—land mobile service—Radio equipment with an internal or external RF Connector intended primarily for analogue speech

300 086-1 Part 1: Technical characteristics and methods of measurement