



AMENDMENT

ETS 300 433

A2

March 1997

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**This amendment A2 modifies
the European Telecommunication Standard ETS 300 433 (1995)**

**Radio Equipment and Systems (RES);
Double Side Band (DSB) and/or Single Side Band (SSB)
amplitude modulated Citizens' Band (CB) radio equipment;
Technical characteristics and methods of measurement**

ETSI

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Foreword

This amendment to ETS 300 433 (1995) has been produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

ETS 300 433, as amended by this amendment, together with ETS 300 680-2 is intended to become a Harmonized Standard, the reference of which is intended to be published in the Official Journal of the European Communities, referencing Council Directive 89/336/EEC (EMC Directive).

Transposition dates	
Date of adoption:	7 March 1997
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Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 December 1997
Date of withdrawal of any conflicting National Standard (dow):	31 December 1997

Amendments

Page 7, Foreword

This European Telecommunications Standard (ETS) has been prepared by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS, together with ETS 300 680-2 is intended to become a Harmonized Standard, the reference of which is intended to be published in the Official Journal of the European Communities, referencing Council Directive 89/336/EEC (EMC Directive).

Insert the following after the last paragraph:

The technical specifications relevant to the EMC Directive are listed in annex C.

Replace table 1 on page 12 with the following table 1:

Table 1: Carrier frequency and channel number

Carrier frequencies (MHz)	Channel number	Carrier frequencies (MHz)	Channel number	Carrier frequencies (MHz)	Channel number
26,965	1	27,135	15	27,295	29
26,975	2	27,155	16	27,305	30
26,985	3	27,165	17	27,315	31
27,005	4	27,175	18	27,325	32
27,015	5	27,185	19	27,335	33
27,025	6	27,205	20	27,345	34
27,035	7	27,215	21	27,355	35
27,055	8	27,225	22	27,365	36
27,065	9	27,235	24	27,375	37
27,075	10	27,245	25	27,385	38
27,085	11	27,255	23	27,395	39
27,105	12	27,265	26	27,405	40
27,115	13	27,275	27		
27,125	14	27,285	28		

Replace subclause 9.3.2 Method of measurement (Inter-modulation response rejection) with the following:

Three input signals shall be connected to the receiver via a combining network, subclause 7.1.

The wanted test signal (A), at the nominal frequency of the receiver, with normal test modulation (DSB see subclause 7.5.1 b), SSB see subclause 7.5.2 c)) at an emf of 12 dB μ V (DSB) or 6 dB μ V (SSB), i.e. the value of the limit for the maximum useable sensitivity, shall be applied to the receiver input connector via input of the combining network.

The unwanted test signal (B), at the frequency 20 kHz above the nominal frequency of the receiver, without modulation, shall be applied to the receiver input connector via the second input of the combining network.

The unwanted test signal (C), at a frequency of 40 kHz above the nominal frequency of the receiver, DSB amplitude modulated by 400 Hz to a modulation depth of 60 % shall be applied to the receiver input connector via the third input of the combining network.

The frequency of the unwanted test signals (B) and (C) may be slightly adjusted to search for maximum intermodulation.

The amplitude of the unwanted test signals (B) and (C) shall be maintained equal and adjusted until the SND/ND ratio, psophometrically weighted, at the output of the receiver is reduced to 14 dB.

The measure of the inter-modulation response rejection is the ratio in dB of the level of the unwanted test signals to the level of the wanted test signal at the receiver input for which the specified reduction in SND/ND ratio occurs. This ratio shall be recorded.

The two sets of measurements described above shall be repeated with the unwanted signals below the nominal frequency of the receiver by the specified amounts.

Replace subclause 9.5.2 Method of measurement (Spurious response rejection) with the following:

The two input signals shall be connected to the receiver via a combining network, see subclause 7.1.

The wanted test signal, at the nominal frequency of the receiver, with normal test modulation (DSB see subclause 7.5.1 b), SSB see subclause 7.5.2 c)) at an emf of 12 dB μ V (DSB) or 6 dB μ V (SSB), i.e. the value of the limit for the maximum useable sensitivity, shall be applied to the receiver input connector via one input of the combining network.

The unwanted test signal, DSB amplitude modulated by 400 Hz to a modulation depth of 60 % and at an emf of 92 dB μ V, shall be applied to the receiver input connector via the second input of the combining network. The unwanted test signal shall be tuned over the frequency range from 100 kHz to 1 GHz.

At each frequency at which a spurious response occurs, the input level shall be adjusted until the SND/ND ratio, psychometrically weighted, is reduced to 14 dB.

The value of spurious response rejection is the ratio in dB of the level of the unwanted test signal to the level of the wanted test signal at the receiver input for which the specified reduction in SND/ND ratio occurs.

The ratio shall be recorded as the spurious response rejection for each spurious response obtained.

Page 41

Insert before History:

Annex C (normative): Clauses and/or subclauses of this ETS relevant for compliance with the essential requirements of EC Council Directives

Table C.1: Clauses and/or subclauses of this ETS relevant for compliance with essential requirements of the EC Council Directives

Clause/subclause number and title		Corresponding article of Council Directive 89/336/EEC	Qualifying remarks
5.2.4	Spurious emissions of the transmitter	4(a)	
5.3.4	Spurious radiations	4(a)	
5.3.5	Spurious response rejection	4(b)	

History

Document history	
June 1991	First Edition
November 1996	Unified Approval Procedure UAP 58: 1996-11-18 to 1997-03-14
March 1997	Amendment 2 to First Edition (including prior amendments)