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AMENDMENT

ETS 300 445

A1

March 1997

Source: ETSI TC-RES

Reference: RE/RES-09034

ICS: 33.020

Key words: Audio, EMC, radio, radio mic, testing

**This amendment A1 modifies
the European Telecommunication Standard ETS 300 445 (1996)**

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Radio Equipment and Systems (RES);
ElectroMagnetic Compatibility (EMC) standard
for wireless microphones and similar
Radio Frequency (RF) audio link equipment

ETSI

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Foreword

This amendment to ETS 300 445 (1996) has been produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

ETS 300 445 as amended by this amendment, with ETS 300 454, is intended to become a Harmonized EMC 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).

ETS 300 445 as amended by this amendment is intended to become a Harmonized EMC Standard for equipment within the scope of I-ETS 300 422.

Annex D contains the ERC Decision which references the technical specifications in I-ETS 300 422 for inclusion in national type approval regulations.

Transposition dates	
Date of adoption	21 February 1997
Date of latest announcement of this ETS (doa):	30 June 1997
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

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Amendments

Page 5, Foreword

Replace Foreword with the following:

This European Telecommunication Standard (ETS) was produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS together with ETS 300 454 is intended to become a Harmonized EMC Standard, the reference of which is intended to be published in the Official Journal of the European Communities referencing the EMC Directive.

This ETS is intended to become a Harmonized EMC standard for equipment within the scope of I-ETS 300 422.

The technical specifications which are relevant to the EMC Directive are listed in normative annex B for ETS 300 454 and annex C for I-ETS 300 422.

Annex D contains the ERC Decision which references the technical specifications in I-ETS 300 422 for inclusion in national type approval regulations.

Page 31

Insert the following before History:

Annex B (normative): ETS 300 445, Radio Equipment and Systems (RES): ElectroMagnetic Compatibility (EMC) standard for wireless microphones and similar Radio Frequency (RF) audio link equipment

Table B.1: Subclauses of this ETS relevant for compliance with the essential requirements of the EC Council Directives

Clause/subclause number and title		Corresponding article of Council Directive 89/336/EEC	Qualifying remarks
8	Test methods for emission tests of transmitters and/or receivers and/or ancillary equipment		
8.2	Enclosure - ancillary equipment	4(a)	
8.3	DC power input/output port	4(a)	
8.4	AC mains power input/output port	4(a)	
9	Test methods for immunity tests of transmitters and/or receivers and/or ancillary equipment		
9.2	Radio frequency electromagnetic field (80 to 1 000 MHz)	4(b)	
9.3	Electrostatic discharge	4(b)	
9.4	Fast transients common mode	4(b)	
9.5	RF common mode, 0,15 MHz to 80 MHz (current clamp injection)	4(b)	
9.6	Transients and surges, vehicular environment	4(b)	
9.7	Voltage dips and interruptions	4(b)	
9.8	Transients common and differential mode	4(b)	

Annex C (normative): Clauses and/or subclauses from I-ETS 300 422: Radio Equipment and Systems (RES): Technical characteristics and test methods for wireless microphones in the 25 MHz to 3 GHz frequency range, which are relevant for compliance with essential requirements of the EC Council Directives

Table C.1: Subclauses of this ETS relevant for compliance of equipment within the scope of I-ETS 300 422 with the essential requirements of the EC Council Directives

Clause/subclause number and title		Corresponding article of Council Directive 89/336/EEC	Qualifying remarks
C.1	Spurious emissions - transmitter	4(a)	
C.2	Spurious emissions - receiver	4(a)	

Limits are detailed below, methods of measurement are contained in I-ETS 300 422.

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C.1 Spurious emissions - transmitter

The power of the spurious emissions shall not exceed the limits of table C.1.

Table C.1: Radiated measurements

State	Frequency		
	47 MHz to 74 MHz 87,5 MHz to 118 MHz 174 MHz to 230 MHz 470 MHz to 862 MHz	Other frequencies below 1 000 MHz	Frequencies above 1 000 MHz
Operation	4 nW	250 nW	1 μ W
Standby	2 nW	2 nW	20 nW

C.2 Spurious emissions - receiver

The power of the spurious emissions shall not exceed the limits of table C.2.

Table C.2

	25 - 1 000 MHz	Frequencies above 1 000 MHz
erp or conducted	2 nW	20 nW

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Annex D (normative): ERC Decision on the adoption of approval regulations for radio equipment to be used for wireless microphones in the 25 MHz to 3 GHz frequency range to be used in the mobile service based on the Interim European Telecommunications Standard (I-ETS 300 422)

This annex contains the ERC Decision which references the technical specifications in I-ETS 300 422 for inclusion in national type approval regulations.

EUROPEAN RADIOCOMMUNICATIONS COMMITTEE

ERC Decision
of 1 November 1996
on the adoption of approval regulations for radio equipment
to be used for wireless microphones
in the 25 MHz to 3 GHz frequency range
to be used in the mobile service
based on the Interim European Telecommunications
Standard (I-ETS) 300 422

(ERC/DEC/(96)15)

