



**SLOVENSKI STANDARD**  
**DSIST EN 300 279:2000**  
**01-Ubi Uf-2000**

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**Elektromagnetna združljivost (EMC) in zadeve v zvezi z radijskim spektrom (ERM) - Standard elektromagnetne združljivosti (EMC) za zasebni kopenski mobilni radio (PMR) in pomožno opremo (govorno oziroma negovorno)**

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for Private land Mobile Radio (PMR) and ancillary equipment (speech and/or non-speech)

**Ta slovenski standard je istoveten z: EN 300 279 Version 1.2.1**

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# EN 300 279 V1.2.1 (1999-02)

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*European Standard (Telecommunications series)*

**Electromagnetic compatibility  
and Radio spectrum Matters (ERM);  
ElectroMagnetic Compatibility (EMC) standard for  
Private land Mobile Radio (PMR) and ancillary equipment  
(speech and/or non-speech)**

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**ETSI**

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**Postal address**

F-06921 Sophia Antipolis Cedex - FRANCE

---

**Office address**

650 Route des Lucioles - Sophia Antipolis  
Valbonne - FRANCE  
Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16  
Siret N° 348 623 562 00017 - NAF 742 C  
Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° 7803/88

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**Internet**

[secretariat@etsi.fr](mailto:secretariat@etsi.fr)  
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# Contents

Intellectual Property Rights.....	5
Foreword .....	5
1 Scope.....	6
2 References.....	6
3 Definitions and abbreviations .....	7
3.1 Definitions .....	7
3.2 Abbreviations.....	8
4 General test conditions.....	8
4.1 Test conditions and configurations .....	8
4.1.1 Emission tests.....	8
4.1.2 Immunity tests .....	9
4.1.2.1 Mode of operation .....	9
4.1.2.2 Normal test modulation .....	9
4.1.2.3 Arrangements for test signals at the input of the transmitter.....	10
4.1.2.4 Arrangements for test signals at the output of the transmitter.....	10
4.1.2.5 Arrangements for test signals at the input of the receiver.....	10
4.1.2.6 Arrangements for test signals at the output of the receiver.....	10
4.1.2.7 Receiver and receivers of transceivers exclusion band.....	10
4.1.2.8 Transmitter exclusion band.....	11
4.1.2.9 Narrow band responses on receivers and receivers of transceivers .....	11
5 Performance assessment .....	11
5.1 General.....	11
5.2 Equipment which can provide a continuous communications link.....	11
5.3 Equipment which does not provide a continuous communications link.....	11
5.4 Ancillary equipment.....	12
5.5 Equipment classification .....	12
6 Performance criteria.....	12
6.1 General.....	12
6.2 Performance criteria for Continuous phenomena applied to Transmitters (CT) .....	12
6.3 Performance criteria for Transient phenomena applied to Transmitters (TT).....	13
6.4 Performance criteria for Continuous phenomena applied to Receivers (CR) .....	13
6.5 Performance criteria for Transient phenomena applied to Receivers (TR).....	13
7 Applicability overview tables .....	14
7.1 Emission .....	14
7.2 Immunity.....	14
8 Test methods and limits for emission tests .....	15
8.1 Enclosure of ancillary equipment.....	15
8.1.1 Definition .....	15
8.1.2 Test method.....	15
8.1.3 Limits .....	15
8.2 Dc power input/output port.....	15
8.2.1 Definition .....	15
8.2.2 Test method.....	15
8.2.3 Limits .....	16
8.3 Ac mains power input/output port.....	16
8.3.1 Definition .....	16
8.3.2 Test method.....	16
8.3.3 Limits .....	16
9 Test methods and levels for immunity tests.....	17
9.1 Radio frequency electromagnetic field (80 MHz to 1 000 MHz) .....	17

9.1.1	Definition .....	17
9.1.2	Test method.....	17
9.1.3	Performance criteria .....	17
9.2	Electrostatic discharge .....	17
9.2.1	Definition .....	17
9.2.2	Test method.....	18
9.2.3	Performance criteria .....	18
9.3	Fast transients common mode .....	18
9.3.1	Definition .....	18
9.3.2	Test method.....	18
9.3.3	Performance criteria .....	19
9.4	RF common mode, 0,15 MHz to 80 MHz .....	19
9.4.1	Definition .....	19
9.4.2	Test method.....	19
9.4.3	Performance criteria .....	19
9.5	Transients and surges, vehicular environment .....	20
9.5.1	Definition .....	20
9.5.2	Test method.....	20
9.5.2.1	Requirements for 12 V dc powered equipment.....	20
9.5.2.2	Requirements for 24 V dc powered equipment.....	20
9.5.3	Performance criteria .....	21
9.6	Voltage dips and interruptions .....	21
9.6.1	Definition .....	21
9.6.2	Test method.....	21
9.6.3	Performance criteria .....	21
9.7	Surges common and differential mode.....	22
9.7.1	Definition .....	22
9.7.2	Test method.....	22
9.7.3	Performance criteria .....	22
<b>Annex A (normative):</b>	<b>Subclauses of the present document relevant for compliance with the essential requirements of the EC Council Directives .....</b>	<b>23</b>
<b>Annex B (normative):</b>	<b>Subclauses of the present document relevant for compliance of equipment within the scope of I-ETS 300 219 with the essential requirements of the EC Council Directives .....</b>	<b>24</b>
B.1	Spurious emissions (transmitters) .....	24
B.2	Spurious response rejection (receivers) .....	24
B.3	Blocking or desensitization (receivers).....	25
B.4	Spurious radiations (receivers) .....	25
<b>Annex C (normative):</b>	<b>ERC Decision on the adoption of approval regulations for radio equipment to be used in the land mobile service for transmitting signals to initiate a specific response in the receiver based on the Interim European Telecommunications Standard (I-ETS) 300 219.....</b>	<b>26</b>
History .....		34

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Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

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## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

The present document covers both analogue and digital equipment.

The present document, with one or more of the relevant following: ETS 300 086, ETS 300 113, ETS 300 296, ETS 300 341, ETS 300 390 and EN 301 166, 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).

The present document is intended to become a Harmonized EMC Standard for equipment within the scope of I-ETS 300 219.

The technical specifications which are relevant to the EMC Directive are listed in annex A and annex B for I-ETS 300 219.

Annex C contains the ERC Decision which references the technical specifications in the present document for inclusion in national type approval regulations.

For equipment which can be connected to the ac mains supply, the requirements of EN 61000-3-2 and EN 61000-3-3 apply where appropriate from 1-1-2001.

<b>National transposition dates</b>	
Date of adoption of this EN:	22 January 1999
Date of latest announcement of this EN (doa):	30 April 1999
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 October 1999
Date of withdrawal of any conflicting National Standard (dow):	30 April 2002

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# 1 Scope

The present document covers the assessment of radiocommunications and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Technical specifications related to the antenna port and emissions for the enclosure port of radio equipment are found in the related product standards for the effective use of the radio spectrum.

The present document specifies the applicable EMC tests, the test methods, the limits and the minimum performance criteria for Private land Mobile Radio (PMR) equipment using analog and/or digital modulation technique (speech and/or non-speech) operating in the frequency range 30 MHz to 1 000 MHz, and the associated ancillary equipment.

The environmental classification used in the present document refers to the environment classification used in the Generic Standards EN 50081-1 [3], EN 50082-1 [4], except for the vehicular environment class which refers to ISO 7637 [12].

The EMC requirements have been selected to ensure an adequate level of compatibility for apparatus at residential, commercial, light industrial and vehicular environments. The levels do not cover extreme cases which may occur in any location but have a low probability of occurrence.

The present document may not cover those cases where a potential source of interference which is producing individually repeated transient phenomena or a continuous phenomena is permanently present, e.g. a radar or broadcast site in the near vicinity. In such a case it may be necessary to use special protection applied to either the source of interference or the interfered part or both.

Compliance of radio equipment to the requirements of the present document does not signify compliance to any requirements related to the use of the equipment (i.e. licensing requirements).

Compliance to the present document does not signify compliance to any safety requirements. However, it is the responsibility of the assessor of the equipment that any observations regarding apparatus becoming dangerous or unsafe as a result of the application of the tests of the present document, should be recorded in the test report.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

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- [1] CISPR Publication No. 16-1: "Specification for radio disturbance and immunity measuring apparatus and methods. Part 1: Radio disturbance and immunity measuring apparatus".
- [2] EN 55022 (1994): "Limits and methods of measurement of radio disturbance characteristics of information technology equipment".
- [3] EN 50081-1 (1992): "Electromagnetic compatibility - Generic emission standard - Part 1: Residential, commercial and light industry".
- [4] EN 50082-1 (1998): "Electromagnetic compatibility - Generic immunity standard - Part 1: Residential, commercial and light industry".
- [5] EN 61000-4-1 (1994): "Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 1: Overview of immunity tests".