



SLOVENSKI STANDARD

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Elektromagnetna združljivost in zadeve v zvezi z radijskim spektrom (ERM) - Kopenska mobilna storitev - Komercialno dostopna amaterska radijska oprema - 2. del: Harmonizirani EN, ki zajema bistvene zahteve člena 3.2 direktive R&TTE

Electromagnetic compatibility and Radio spectrum Matters (ERM) - Land Mobile Service - Commercially available amateur radio equipment - Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

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Harmonized European Standard (Telecommunications series)

**Electromagnetic compatibility
and Radio spectrum Matters (ERM);
Land Mobile Service;
Commercially available amateur radio equipment;
Part 2: Harmonized EN covering the essential requirements
of article 3.2 of the R&TTE Directive**

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Foreword

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

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Council Directive 98/34/EC [i.2] (as amended) laying down a procedure for the provision of information in the field of technical standards and regulations.

The present document is intended to become a Harmonized Standard, the reference of which will be published in the Official Journal of the European Communities referencing the Directive 1999/5/EC [i.1] of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity ("the R&TTE Directive").

Technical specifications relevant to Directive 1999/5/EC [i.1] are given in annex A.

The present document is part 2 of a multi-part deliverable covering the Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Commercially available amateur radio equipment, as identified below:

Part 1: "Technical characteristics and methods of measurement";

Part 2: "Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive".

National transposition dates

Date of adoption of this EN:	28 June 2010
Date of latest announcement of this EN (doa):	30 September 2010
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 March 2011
Date of withdrawal of any conflicting National Standard (dow):	30 September 2011

1 Scope

The present document applies to the radio equipment as defined in EN 301 783-1 [1].

The present document is intended to cover the provisions of Directive 1999/5/EC [i.1] (R&TTE Directive) which states that "... radio equipment shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference".

In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of Article 3 of the R&TTE Directive [i.1] may apply to equipment within the scope of the present document.

NOTE: A list of such ENs is included on the web site <http://www.newapproach.org>.

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

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2.1 Normative references

The following referenced documents are necessary for the application of the present document.

- [1] ETSI EN 301 783-1 (V1.2.1): "Electromagnetic compatibility and Radio Spectrum Matters (ERM); Land Mobile Service; Commercially available amateur radio equipment; Part 1: Technical characteristics and methods of measurement".

2.2 Informative references

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications equipment and the mutual recognition of their conformity (R&TTE Directive).
- [i.2] Directive 98/34/EC of the European Parliament and of the Council of 22 June 1998 laying down a procedure for the provision of information in the field of technical standards and regulations.

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in the R&TTE Directive [i.1] and the following apply:

environmental profile: range of environmental conditions under which equipment within the scope of the present document is required to comply with the provisions of the present document

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

R&TTE Radio and Telecommunications Terminal Equipment

4 Technical requirements specifications

4.1 Environmental profile

The environmental profile for operation of the equipment shall be declared by the supplier. The equipment shall comply with all the technical requirements of the present document at all times when operating within the boundary limits of the required operational environmental profile.

4.2 Conformance requirements

4.2.1 Conducted spurious emissions

4.2.1.1 Antenna port in transmit mode

4.2.1.1.1 Definition

Spurious emissions are defined in EN 301 783-1 [1], clause 5.2.1.

4.2.1.1.2 Limits

The emissions of the antenna port in transmit mode shall not exceed the limits in EN 301 783-1 [1], clause 5.2.3, table 4.

4.2.1.1.3 Conformance

Conformance tests as defined in clause 5.2.1 shall be carried out.

4.2.1.2 Antenna port in receive or transmit standby mode

4.2.1.2.1 Definition

Spurious emissions are defined in EN 301 783-1 [1], clause 5.2.1.

4.2.1.2.2 Limits

The emissions of the antenna port in receive or transmit standby mode shall not exceed the limits in EN 301 783-1 [1], clause 5.2.3, table 5.

4.2.1.2.3 Conformance

Conformance tests as defined in clause 5.2.1 shall be carried out.

4.2.2 Radiated spurious emissions

4.2.2.1 Enclosure port in transmit mode

4.2.2.1.1 Definition

Spurious emissions are defined in EN 301 783-1 [1], clause 5.2.1.

4.2.2.1.2 Limits

The enclosure port emissions in transmit mode shall not exceed the limits in EN 301 783-1 [1], clause 5.2.3, table 6.

4.2.2.1.3 Conformance

Conformance tests as defined in clause 5.2.2 shall be carried out.

4.2.2.2 Enclosure port in receive or transmit standby mode

4.2.2.2.1 Definition

Spurious emissions are defined in EN 301 783-1 [1], clause 5.2.1.

4.2.2.2.2 Limits

The enclosure port emissions in receive or transmit standby mode shall not exceed the limits in EN 301 783-1 [1], clause 5.2.3, table 7.

4.2.2.2.3 Conformance

Conformance tests as defined in clause 5.2.2 shall be carried out.

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4.2.3 Conducted RF immunity

4.2.3.1 Definition

The RF immunity of the equipment is defined in EN 301 783-1 [1], clause 5.3.1.

4.2.3.2 Limits

The RF immunity of the equipment shall not exceed the limits in EN 301 783-1 [1], clause 5.3.3.

4.2.3.3 Conformance

Conformance tests as defined in clause 5.3.1 may be carried out.