



**SLOVENSKI STANDARD**  
**DSIST EN 300 224-2:2002**  
**01-gYdhYa VYf-2002**

9`Y\_fca U[ bYfbUnXfi y`^j cghfØ A7L]b`nUXYj Yj `nj Yn]`n`fUX]`g\_]a `gdY\_fca `fØ F A L!  
 Glcf]hYj `cgYVbY[ U\_`]WU bU\_fUf `gUa Ya `!`&"XY.`<Ufa cb]n]fUb]9Bž\_]`nUYa U  
 V]ghj YbY`nU hYj Y `YbUX]fY\_hj Y' "&F/ HH9

Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

**Ta slovenski standard je istoveten z: EN 300 224-2 Version 1.1.1**

**ICS:**

33.100.99	Drugi vidiki v zvezi z EMC	Other aspects related to EMC
-----------	----------------------------	------------------------------

<b>DGIST EN 300 224-2:2002</b>	<b>en</b>
--------------------------------	-----------



# ETSI EN 300 224-2 V1.1.1 (2001-01)

---

*Candidate Harmonized European Standard (Telecommunications series)*

**Electromagnetic compatibility  
and Radio spectrum Matters (ERM);  
On-site paging service;  
Part 2: Harmonized EN under article 3.2  
of the R&TTE Directive**

---



---

**Reference**

REN/ERM-RP08-0110-2

---

**Keywords**

paging, radio, regulation, testing

**ETSI**

---

650 Route des Lucioles  
F-06921 Sophia Antipolis Cedex - 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

---

**Important notice**

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at <http://www.etsi.org/tb/status/>

If you find errors in the present document, send your comment to:  
editor@etsi.fr

---

**Copyright Notification**

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2000.  
All rights reserved.

# Contents

Intellectual Property Rights .....	5
Foreword.....	5
Introduction.....	6
1 Scope.....	8
2 References.....	8
3 Definitions and abbreviations.....	9
3.1 Definitions.....	9
3.2 Abbreviations.....	9
4 Technical requirements specifications.....	9
4.1 Environmental profile.....	9
4.2 Transmitter requirements.....	9
4.2.1 Frequency error.....	9
4.2.1.1 Definition.....	9
4.2.1.2 Limit 9.....	
4.2.2 Carrier power.....	9
4.2.2.1 Definition.....	9
4.2.2.2 Limit (conducted).....	10
4.2.2.3 Limit (radiated).....	10
4.2.3 Adjacent channel power.....	10
4.2.3.1 Definition.....	10
4.2.3.2 Limit 10.....	
4.2.4 Frequency deviation.....	10
4.2.4.1 Definition.....	10
4.2.4.2 Limit (analogue signals within the audio bandwidth).....	10
4.2.4.3 Limit (analogue signals above the audio bandwidth).....	10
4.2.5 Spurious emissions.....	10
4.2.5.1 Definition.....	10
4.2.5.2 Limit 10.....	
4.2.6 Transmitter transient behaviour.....	10
4.2.6.1 Definition.....	10
4.2.6.2 Limit 11.....	
4.3 Receiver requirements (pocket paging receivers).....	11
4.3.1 Spurious emissions.....	11
4.3.1.1 Definition.....	11
4.3.1.2 Limit 11.....	
4.4 Receiver requirements (base station receivers).....	11
4.4.1 Spurious emissions.....	11
4.4.1.1 Definition.....	11
4.4.1.2 Limit 11.....	
4.5 Loop transmitter requirements.....	11
4.5.1 Transmitter carrier power.....	11
4.5.1.1 Definition.....	11
4.5.1.2 Limit 11.....	
4.5.2 Range of operating frequencies.....	11
4.5.2.1 Limit 11.....	
4.5.3 Frequency error.....	12
4.5.3.1 Definition.....	12
4.5.3.2 Limit 12.....	
4.5.4 Spurious emissions.....	12
4.5.4.1 Definition.....	12
4.5.4.2 Limit 12.....	
4.6 Loop receiver requirements.....	12
4.6.1 Spurious emissions.....	12

4.6.1.1	Definition.....	12
4.6.1.2	Limit	12
5	Testing for compliance with technical requirements .....	12
5.1	Environmental conditions for testing.....	12
5.2	Interpretation of the measurement results .....	13
5.3	Essential radio test suites .....	13
5.3.1	Transmitter test suites.....	13
5.3.1.1	Frequency error .....	13
5.3.1.2	Carrier power (conducted).....	13
5.3.1.3	Carrier power (radiated) .....	13
5.3.1.4	Adjacent channel power .....	14
5.3.1.5	Frequency deviation .....	14
5.3.1.5.1	Analogue signals within the audio bandwidth .....	14
5.3.1.5.2	Analogue signals above the audio bandwidth.....	14
5.3.1.6	Spurious emissions.....	14
5.3.1.7	Transmitter transient behaviour.....	14
5.3.2	Loop transmitter suites .....	14
5.3.2.1	Transmitter carrier power .....	14
5.3.2.2	Frequency error .....	14
5.3.2.3	Spurious emissions.....	14
<b>Annex A (normative): The EN Requirements Table (EN-RT).....</b>		<b>15</b>
History .....		17

---

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://www.etsi.org/ipr>).

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 ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

---

## Foreword

This Candidate 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 (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 [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") [1].

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

The present document is part 2 of a multi-part deliverable covering the on-site paging service, as identified below:

Part 1: "Technical and functional characteristics, including test methods";

**Part 2: "Harmonized Standard under article 3.2 of the R&TTE Directive".**

<b>National transposition dates</b>	
Date of adoption of this EN:	15 December 2000
Date of latest announcement of this EN (doa):	31 March 2001
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 September 2001
Date of withdrawal of any conflicting National Standard (dow):	30 September 2002

## Introduction

The present document is part of a set of standards designed to fit in a modular structure to cover all radio and telecommunications terminal equipment under the R&TTE Directive [1]. Each standard is a module in the structure. The modular structure is shown in figure 1.

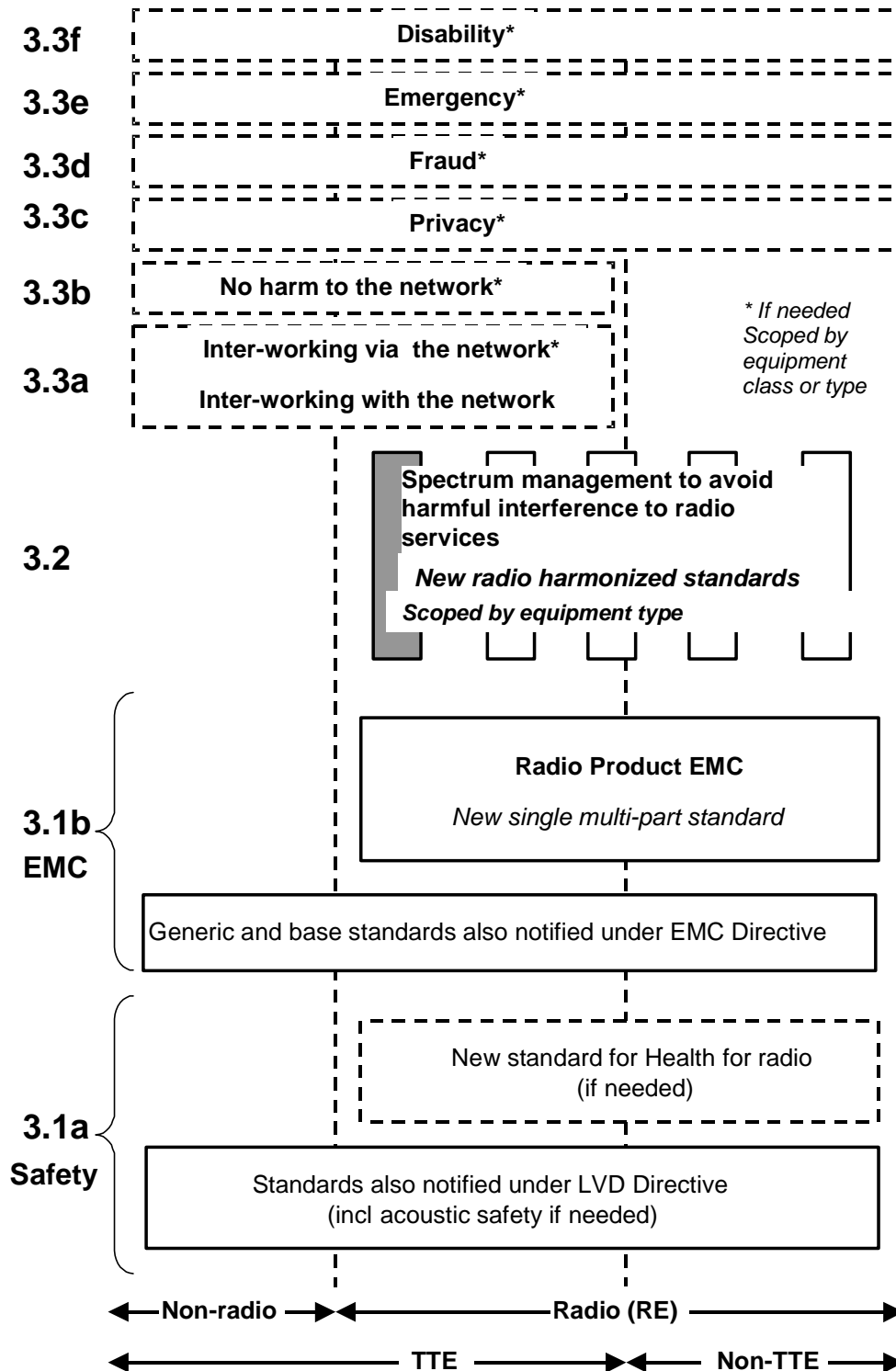


Figure 1: Modular structure for the various standards used under the R&TTE Directive [1]