



**Electromagnetic compatibility
and Radio spectrum Matters (ERM);
Maritime low power personal locating
beacons employing AIS;
Part 2: Harmonized EN covering the essential requirements
of article 3.2 of the R&TTE Directive**

Reference

DEN/ERM-TG26-100-2

Keywords

maritime, radio, SAR, 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

(<https://standards.iteh.ai>)
Document Preview

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://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:

http://portal.etsi.org/chaicor/ETSI_support.asp

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 2013.
All rights reserved.

DECTTM, PLUGTESTSTM, UMTSTM and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPPTM and LTETM are Trade Marks of ETSI registered for the benefit of its Members and
of the 3GPP Organizational Partners.
GSM[®] and the GSM logo are Trade Marks registered and owned by the GSM Association.

Contents

Intellectual Property Rights	5
Foreword.....	5
Introduction	5
1 Scope	6
2 References	6
2.1 Normative references	6
2.2 Informative references	6
3 Abbreviations	7
4 Technical requirements specifications	7
4.1 Environmental profile.....	7
4.2 Conformance requirements	7
4.2.1 Transmitter frequency error	7
4.2.1.1 Definition	7
4.2.1.2 Limit.....	7
4.2.1.3 Conformance.....	7
4.2.2 Conducted power	7
4.2.2.1 Definition	7
4.2.2.2 Limit.....	7
4.2.2.3 Conformance.....	7
4.2.3 Effective radiated power (ERP).....	8
4.2.3.1 Definition	8
4.2.3.2 Limit.....	8
4.2.3.3 Conformance.....	8
4.2.4 Transmitter spectrum mask.....	8
4.2.4.1 Definition	8
4.2.4.2 Limit.....	8
4.2.4.3 Conformance.....	8
4.2.5 Transmitter transient behaviour - output power.....	8
4.2.5.1 Definition	8
4.2.5.2 Limit.....	8
4.2.5.3 Conformance.....	8
4.2.6 Transmitter transient behaviour - frequency deviation	8
4.2.6.1 Definition	8
4.2.6.2 Limit.....	8
4.2.6.3 Conformance.....	8
4.2.7 Synchronisation accuracy	9
4.2.7.1 Definition	9
4.2.7.2 Limit.....	9
4.2.7.3 Conformance.....	9
4.2.8 Spurious emissions	9
4.2.8.1 Definition	9
4.2.8.2 Limit.....	9
4.2.8.3 Conformance.....	9
5 Testing for compliance with technical requirements.....	9
5.1 Environmental conditions for testing	9
5.2 Interpretation of the measurement results	9
5.3 Essential radio test suites.....	10
5.3.1 Transmitter frequency error	10
5.3.2 Conducted power	10
5.3.3 Effective radiated power (ERP).....	10
5.3.4 Transmitter spectrum mask.....	10
5.3.5 Transmitter transient behaviour - output power.....	10
5.3.6 Transmitter transient behaviour - frequency deviation	10