Draft ETSI EN 302 686 V2.1.0 (2026-10)



HARMONISED EUROPEAN STANDARD

Intelligent Transport Systems (ITS); Radiocommunications equipment operating in the 63,72 GHz to 65,88 GHz frequency band; Harmonised Standard for access to radio spectrum

Sample Document
get full document from standards.iteh.ai

Reference
REN/ERM-WG37-25

Keywords
60 GHz, access, harmonised standard, ITS, radio, SRD

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 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

Important notice

The present document can be downloaded from the ETSI Search & Browse Standards application.

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format on ETSI deliver repository.

Users should be aware that the present document may be revised or have its status changed, this information is available in the Milestones listing.

If you find errors in the present document, please send your comments to the relevant service listed under Committee Support Staff.

If you find a security vulnerability in the present document, please report it through our Coordinated Vulnerability Disclosure (CVD) program.

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.
No recommendation as to products and services or vendors is made or should be implied.
In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

Copyright Notification

No part of this document may be reproduced in any form, by any means and in any media, without the prior written authorization of ETSI and except as expressly permitted below.
By way of exception and when the document is a normative deliverable (European Standard (EN), Technical Specification (TS), Group Specification (GS) or ETSI Standard (ES)), ETSI authorizes to reproduce and incorporate into products, services and technical documentation only those extracts (e.g. templates) that are strictly necessary for the technical implementation of the normative deliverable, to ensure compliance with the latter.
Nothing in this notice shall be construed as limiting any mandatory exceptions to copyright provided by applicable law.

© ETSI 2026.
All rights reserved.

ETSI EN 302 686 V2.1.0 (2026-10) • https://standards.iteh.ai/catalog/standards/etsi/d795e8c7-262c-4a1d-b3a7-f78d6677db64/etsi-en-302-686-v2-1-0-2026-10

Contents

Intellectual Property Rights 4
Foreword 4
Modal verbs terminology 5
1 Scope 6
2 References 6
2.1 Normative references 6
2.2 Informative references 7
3 Definition of terms, symbols and abbreviations 7
3.1 Terms 7
3.2 Symbols 7
3.3 Abbreviations 7
4 Technical requirements specifications 8
4.1 Environmental profile 8
4.2 Conformance requirements 8
4.2.1 Occupied channel bandwidth 8
4.2.2 RF output power 8
4.2.3 Transmitter unwanted emissions 8
4.2.4 Receiver spurious emissions 8
4.2.5 Receiver sensitivity 8
4.2.6 Receiver adjacent channel selectivity 8
5 Testing for compliance with technical requirements 8
5.1 Environmental conditions for testing 8
5.1.1 General 8
5.1.2 Normal test conditions 9
5.1.2.1 Normal temperature and humidity 9
5.1.2.2 Normal power source 9
5.1.3 Extreme test conditions 9
5.2 Interpretation of the measurement results 9
5.3 Test procedure for the essential radio test suites 9
5.3.0 General 9
5.3.0.1 General measurement requirements 9
5.3.0.2 Product Information 9
5.3.0.3 Test modulation, frequency and configuration 10
5.3.1 Occupied channel bandwidth 10
5.3.2 RF output power 10
5.3.3 Transmitter unwanted emissions 10
5.3.3.1 Transmitter unwanted emissions in the out-of-band domain 10
5.3.3.2 Transmitter unwanted emissions in spurious domain 10
5.3.4 Receiver spurious emissions 10
5.3.5 Receiver sensitivity 10
Annex A (informative): Relationship between the present document and the essential requirements of Directive 2014/53/EU 11
Annex B (informative): Bibliography 13
History 14

Sample Document
Get the latest standard from standards.iteh.ai

ETSI EN 302 686 V2.1.0 (2026-10) • https://standards.iteh.ai/catalog/standards/etsi/d795e8c7-262c-4a1d-b3a7-f78d6677db64/etsi-en-302-686-v2-1-0-2026-10

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables (European Standard (EN), Technical Specification (TS), Group Specification (GS) or ETSI Standard (ES)) may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are 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 IPR online database.

Pursuant to the ETSI Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, 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.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™**, **LTE™** and **5G™** logo are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM**® and the GSM logo are trademarks registered and owned by the GSM Association.

Sample Document
get full document from standards.iteh.ai

Foreword

This draft Harmonised European Standard (EN) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM), and is now submitted for the combined Public Enquiry and Vote phase of the ETSI Standardisation Request deliverable Approval Procedure (SRdAP).

The present document has been prepared under the Commission Implementing Decision C(2015) 5376 final [i.1] to provide one voluntary means of conforming to the essential requirements of Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC [i.2].

Once the present document is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of the present document given in table A.1 confers, within the limits of the scope of the present document, a presumption of conformity with the corresponding essential requirements of that Directive and associated EFTA regulations.

Proposed national transposition dates	
Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	18 months after doa

ETSI EN 302 686 V2.1.0 (2026-10) • https://standards.iteh.ai/catalog/standards/etsi/d795e8c7-262c-4a1d-b3a7-f78d6677db64/etsi-en-302-686-v2-1-0-2026-10

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Sample Document

get full document from standards.iteh.ai

ETSI EN 302 686 V2.1.0 (2026-10) • https://standards.iteh.ai/catalog/standards/etsi/d795e8c7-262c-4a1d-b3a7-f78d6677db64/etsi-en-302-686-v2-1-0-2026-10