

ETSI EN 300 753 V1.3.1 (2012-01)



**Environmental Engineering (EE);
Acoustic noise emitted by telecommunications equipment**

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

Document Preview

[ETSI EN 300 753 V1.3.1 \(2012-01\)](https://standards.iteh.ai/catalog/standards/etsi/f3e94728-2cbd-4028-8096-b3b8b37b7307/etsi-en-300-753-v1-3-1-2012-01)

<https://standards.iteh.ai/catalog/standards/etsi/f3e94728-2cbd-4028-8096-b3b8b37b7307/etsi-en-300-753-v1-3-1-2012-01>

Reference

REN/EE-00025

Keywords

acoustic, emission, environment, noise

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 2012.
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	7
2 References	7
2.1 Normative references	7
2.2 Informative references.....	8
3 Definitions and symbols.....	8
3.1 Definitions.....	8
3.2 Symbols.....	10
4 Measurement methodology	10
5 Installation and operation of equipment.....	10
5.1 Equipment installation.....	10
5.2 Equipment operation "in-use"	10
5.2.1 Variable emissions - standard temperature test.....	10
5.2.2 Variable emissions - high temperature test.....	11
6 Acoustic noise emission limits	11
7 Information to be recorded.....	12
8 Information to be reported.....	13
9 Verification of declared A-weighted sound power levels	13
Annex A (normative): Measurement methods for acoustic noise emission from open air outdoor equipment.....	14
A.1 Scope	14
A.2 Source directionality.....	14
A.3 Installation and operation of equipment.....	14
A.3.1 Daytime simulation	14
A.3.2 Night-time simulation.....	14
A.4 Information to be recorded.....	15
A.5 Information to be reported.....	15
Annex B (informative): Recommended sound power limits for open air outdoor equipment.....	16
Annex C (informative): Recommended method for the detection and reporting of prominent discrete tones	18
Annex D (informative): Motivation for the present document.....	19
Annex E (informative): The relationship between sound power and sound pressure	20
Annex F (informative): Sound power measurement methods	21
F.1 Free field over a reflecting plane technique	21
F.1.1 Concept	21
F.1.2 Measurement procedure	21
F.2 Reverberation room technique	21
F.2.1 Concept	21

F.2.2	Measurement procedure	21
F.3	Anechoic and semi-anechoic rooms.....	22
F.3.1	Concept	22
F.3.2	Measurement procedure	22
History		23

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

[ETSI EN 300 753 V1.3.1 \(2012-01\)](#)

<https://standards.iteh.ai/catalog/standards/etsi/f3e94728-2cbd-4028-8096-b3b8b37b7307/etsi-en-300-753-v1-3-1-2012-01>