Digital Radio Mondiale (DRM) -- Part 2: Digital radio in the bands below 30 MHz - Methods of measurement for DRM transmitters

Digital Radio Mondiale (DRM) -- Part 2: Digital radio in the bands below 30 MHz - Methods of measurement for DRM transmitters



EESTI STANDARDI EESSÕNA NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 62272-	This Estonian standard EVS-EN 62272-
2:2007 sisaldab Euroopa standardi EN	2:2007 consists of the English text of the
62272-2:2007 ingliskeelset teksti.	European standard EN 62272-2:2007.
Käesolev dokument on jõustatud	This document is endorsed on 19.06.2007
19.06.2007 ja selle kohta on avaldatud	with the notification being published in the
teade Eesti standardiorganisatsiooni	official publication of the Estonian national
ametlikus väljaandes.	standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala:	Scope:
This part of IEC 62272 describes the	This part of IEC 62272 describes the
methods of measurement to assess the	methods of measurement to assess the
performance characteristics of digital	performance characteristics of digital
modulated radio transmitters in the bands	modulated radio transmitters in the bands
below 30 MHz for sound and/or data	below 30 MHz for sound and/or data
broadcasting in the LF, MF and HF bands,	broadcasting in the LF, MF and HF bands,
and to facilitate the comparison of	and to facilitate the comparison of
measurements which are carried out by	measurements which are carried out by
different personnel. It contains details of 🌽	different personnel. It contains details of
specially selected methods for	specially selected methods for
determining the most important	determining the most important
performance parameters of digital radio	performance parameters of digital radio
transmitters. The measurement methods	transmitters. The measurement methods
described apply to a limited number of	described apply to a limited number of
performance parameters, i.e. those which	performance parameters, i.e. those which
can give rise to ambiguous interpretation	can give rise to ambiguous interpretation
due to the use of different methods and	due to the use of different methods and
conditions. They are neither restrictive nor	conditions. They are neither restrictive nor
mandatory: measurements can be chosen	mandatory: measurements can be chosen
for each particular case. The	for each particular case. The
measurement methods described in this	measurement methods described in this
standard are intended to be used for type	standard are intended to be used for type
approval tests, quality control tests or	approval tests, quality control tests or
acceptance test measurements in	acceptance test measurements in
factories and on site.	factories and on site.

ICS 33.060.20

Võtmesõnad:



EUROPEAN STANDARD

EN 62272-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2007

ICS 33.060.20

English version

Digital radio mondiale (DRM) -Part 2: Digital radio in the bands below 30 MHz -Methods of measurement for DRM transmitters (IEC 62272-2:2007)

Digital radio mondiale (DRM) -Partie 2: Radiodiffusion numérique dans les bandes de fréquences en dessous de 30 MHz -Méthodes de mesure des émetteurs DRM (CEI 62272-2:2007) Digital radio mondiale (DRM) -Teil 2: Digitaler Rundfunk in den Bändern unterhalb 30 MHz -Messverfahren für DRM-Sender (IEC 62272-2:2007)

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of document 103/64/FDIS, future edition 1 of IEC 62272-2, prepared by IEC TC 103, Transmitting equipment for radio communication, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62272-2 on 2007-04-01.

The following dates were fixed:

-	latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2008-01-01
-	latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2010-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62272-2:2007 was approved by CENELEC as a European Standard without any modification.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	<u>Year</u>	Title	<u>EN/HD</u>	Year
IEC 60215	_ 1)	Safety requirements for radio transmitting equipment	EN 60215	1989 ²⁾
IEC 60244-1	_ 1)	Methods of measurement for radio transmitters - Part 1: General characteristics for broadcast transmitters	EN 60244-1	2000 ²⁾
IEC 60244-15	_ 1)	Methods of measurement for radio transmitters - Part 15: Amplitude-modulated transmitters for sound broadcasting	EN 60244-15	2000 ²⁾
ITU-R	_ 1)	Radio Regulations	-	-
ITU-R Recommendation V.663	_ 1)	Use of certain terms linked with physical quantities		_
			2	5
 ¹⁾ Undated reference. ²⁾ Valid edition at date 	of issue			

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

INTERNATIONAL STANDARD



First edition 2007-03

Digital radio mondiale (DRM) -

Part 2: Digital radio in the bands below 30 MHz – Methods of measurement for DRM transmitters



Reference number IEC 62272-2:2007(E)

Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

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INTERNATIONAL STANDARD



First edition 2007-03

Digital radio mondiale (DRM) -

Part 2: Digital radio in the bands below 30 MHz – Methods of measurement for DRM transmitters

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale International Electrotechnical Commission Международная Электротехническая Комиссия



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIGITAL RADIO MONDIALE (DRM) -

Part 2: Digital radio in the bands below 30 MHz – Methods of measurement for DRM transmitters

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62272-2 has been prepared by IEC technical committee 103: Transmitting equipment for radiocommunication.

The text of this standard is based on the following documents:

FDIS	Report on voting
103/64/FDIS	103/66/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed; •
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

<text>

DIGITAL RADIO MONDIALE (DRM) -

Part 2: Digital radio in the bands below 30 MHz – Methods of measurement for DRM transmitters

1 Scope

This part of IEC 62272 describes the methods of measurement to assess the performance characteristics of digital modulated radio transmitters in the bands below 30 MHz for sound and/or data broadcasting in the LF, MF and HF bands, and to facilitate the comparison of measurements which are carried out by different personnel.

It contains details of specially selected methods for determining the most important performance parameters of digital radio transmitters. The measurement methods described apply to a limited number of performance parameters, i.e. those which can give rise to ambiguous interpretation due to the use of different methods and conditions. They are neither restrictive nor mandatory: measurements can be chosen for each particular case.

The measurement methods described in this standard are intended to be used for type approval tests, quality control tests or acceptance test measurements in factories and on site.

Fewer or additional measurements may be carried out by agreement between customer and supplier. Any additional test should comply with standards which have been established by other study groups, subcommittees of the IEC or other international or suitably accredited organizations.

This standard does not specify limiting values for acceptable performance as these are usually given in the equipment specification or in requirements laid down by the responsible regulation bodies. However, some values are quoted, where appropriate, for guidance in the presentation of the results.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60244-1, Methods of measurement for radio transmitters – Part 1: General characteristics for broadcast transmitters

IEC 60244-15, Methods of measurement for radio transmitters – Part 15: Amplitude-modulated transmitters for sound broadcasting

IEC 60215, Safety requirements for radio transmitting equipment

ITU Radio Regulations

ITU-R Recommendation V.663, Use of certain terms linked with physical quantities