

Methods of measurement for radio transmitters —

Part 8: Performance characteristics of vestigial-sideband demodulators used for testing television transmitters and transposers

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British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee EPL/12, Radiocommunication, upon which the following bodies were represented:

- British Broadcasting Corporation
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications plc
- Institution of Electrical Engineers
- Radio, Electrical and Television Retailers' Association
- Radiocommunications Agency

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National foreword

This British Standard has been prepared by Technical Committee EPL/12 and is the English language version of EN 60244-8:1994 *Methods of measurement for radio transmitters — Part 8: Performance characteristics of vestigial-sideband demodulators used for testing television transmitters and transposers*, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 244-8:1993, published by the International Electrotechnical Commission (IEC) and is part of a series describing recommended methods of measurement for assessing the performance of radio transmitters.

This Part is intended to be used for type tests and acceptance or factory tests and can be used to check the performance characteristics of a VSB demodulator used for measuring television transmitters and transposers. The measuring arrangement and method of measurement is, in most cases, identical with that described in BS EN 60244-5 *Methods of measurements for radio transmitters — Part 5:1995 Performance characteristics of television transmitters*, provided that the television transmitter is replaced by a high-quality, double-sideband (DSB) modulator capable of delivering test signals suitable for measuring an instrument which is significantly better in performance than a television transmitter. Some other measurements, using RF generators to simulate vision and sound carriers and sideband signals, are fully described.

This Part is intended to be used in conjunction with BS EN 60244-5:1995.

To facilitate reproduction, some of the figures retain the French text.

Other Parts of BS EN 60244 published to date are:

Part 5:1995	<i>Performance characteristics of television transmitters</i>
Part 10:1993	<i>Methods of measurement for television transmitters and transposers employing insertion test signals</i>
Part 11:1993	<i>Transposers for FM sound broadcasting</i>
Part 12:	<i>Guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting</i>
Section 12.1:1994	<i>Characteristics to be specified</i>
Section 12.2:1994	<i>Specification sheets</i>
Part 13:1993	<i>Performance characteristics for FM sound broadcasting</i>

It is anticipated that other Parts of IEC Publication 244 will be published as identical British Standards, subject to their harmonization by CENELEC.

Cross-references

Publication referred to	Corresponding British Standard
	BS EN 60244 <i>Methods of measurement for radio transmitters</i>
EN 60244-5:1994 (IEC 244-5:1992)	Part 5:1995 <i>Performance characteristics of television transmitters</i>
EN 60244-10:1993 (IEC 244-10:1986)	Part 10:1993 <i>Methods of measurement for television transmitters and transposers employing insertion test signals</i> Part 12 <i>Guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting</i>
EN 60244-12-1:1993 (IEC 244-12-1:1989)	Section 12.1:1994 <i>Characteristics to be specified</i>
EN 60244-12-2:1993 (IEC 244-12-2:1989)	Section 12.2:1994 <i>Specification sheets</i>

Publication referred to	Corresponding British Standard
EN 60244-13:1993 (IEC 244-13:1991)	Part 13:1993 <i>Performance characteristics for FM sound broadcasting</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 16, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Descriptors: Radio transmitters, measurement, television, vestigial-sideband demodulator, requirements, properties

English version

Methods of measurement for radio transmitters
Part 8: Performance characteristics of vestigial-sideband
demodulators used for testing television transmitters and
transposers

(IEC 244-8:1993)

Méthodes de mesure applicables aux
émetteurs radioélectriques
Partie 8: Qualité de fonctionnement des
démodulateurs à bande latérale résiduelle
utilisés pour les essais des émetteurs et
réémetteurs de télévision
(CEI 244-8:1993)

Meßverfahren für Funksender
Teil 8: Übertragungseigenschaften von
Restseitenband-Demodulatoren zur Prüfung
von Fernsehsendern und Umsetzern
(IEC 244-8:1993)

This European Standard was approved by CENELEC on 1994-07-05. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Foreword

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 244-8:1993 could be accepted without textual changes, has shown that no common modifications were necessary for acceptance as a European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60244-8 on 5 July 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-07-15
- latest date of withdrawal of conflicting national standards (dow) 1995-07-15

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given only for information. In this standard, Annex A is informative and Annex ZA is normative.

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