

Methods of measurement for equipment used in digital microwave radio transmission systems —

**Part 3: Measurements on satellite earth
stations —**

Section 3.5 Up- and down-converters

The European Standard EN 60835-3-5:1994 has the status of a
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
- ERA Technology Ltd.
- 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 60835-3-5:1994 *Methods of measurement for equipment used in digital microwave radio transmission systems —*

Part 3: Measurements on satellite earth stations — Section 3.5: Up- and down-converters, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 835-3-5:1994 published by the International Electrotechnical Commission (IEC).

BS EN 60835 is published in three Parts. The other Parts are:

— *Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations*;

— *Part 2: Measurements on terrestrial radio-relay systems*.

Some of the many Sections of the three Parts have appeared under the number BS 7573, of the same generic title.

This Section of BS EN 60835 describes methods of measurement of the electrical characteristics of up-converters and down-converters used in satellite earth station transmitters and receivers with digital modulation.

Cross-references

Publication referred to	Corresponding British Standard
	BS EN 60835 <i>Methods of measurement for equipment used in digital microwave radio transmission systems</i> Part 1 <i>Measurements common to terrestrial radio-relay systems and satellite earth stations</i>
EN 60835-1-1:1992 (IEC 835-1-1:1990)	Section 1.1:1994 <i>General</i>
EN 60835-1-2:1993 (IEC 835-1-2:1992)	Section 1.2:1995 <i>Basic characteristics</i>
	BS 7573 <i>Methods of measurement for equipment used in digital microwave radio transmission systems</i>
IEC 835-1-3:1992	Part 1 <i>Measurements common to terrestrial radio-relay systems and satellite earth stations</i> Section 1.3:1993 <i>Transmission characteristics</i>
IEC 835-3-4:1993	Part 3 <i>Measurements on satellite earth stations</i> Section 3.4:1993 <i>Low noise amplifier</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, 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.

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English version

Methods of measurement for equipment used in digital
microwave radio transmission systems
Part 3: Measurements on satellite earth stations
Section 5: Up- and down-converters

(IEC 835-3-5:1994)

Méthodes de mesure applicables au matériel
utilisé pour les systèmes de transmission
numérique en hyperfréquence
Partie 3: Mesures applicables aux stations
terriennes de télécommunications par satellite
Section 5: Convertisseurs élévateurs et
abaisseurs de fréquence
(CEI 835-3-5:1994)

Meßverfahren für Geräte in digitalen
Mikrowellen-Funkübertragungs-systemen
Teil 3: Messungen an Satelliten-Erdfunkstellen
Hauptabschnitt 5: Sende- und
Empfangsumsetzer
(IEC 835-3-5:1994)

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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.

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CENELEC

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

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Foreword

The text of document 12E(CO)147, as prepared by Subcommittee 12E: Radio-relay and fixed satellite communications systems, of IEC Technical Committee 12, Radiocommunications, was submitted to the IEC-CENELEC parallel vote in April 1993.

The reference document was approved by CENELEC as EN 60835-3-5 on 8 December 1993.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-04-01
- latest date of withdrawal of conflicting national standards (dow) 1995-04-01

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