

# INTERNATIONAL STANDARD

# IEC 60489-8

1984

AMENDMENT 1  
2000-10

---

---

Amendment 1

## **Methods of measurement for radio equipment used in the mobile services**

### **Part 8: Methods of measurement for antennas and ancillary equipment**

*Amendement 1*

*Méthodes de mesure applicables au matériel  
de radiocommunication utilisé dans les service mobiles –*

*Partie 8:  
Méthodes de mesure applicables aux antennes  
et matériels accessoires*

© IEC 2000 — Copyright - all rights reserved

International Electrotechnical Commission 3, rue de Varembe Geneva, Switzerland  
Telefax: +41 22 919 0300 e-mail: [inmail@iec.ch](mailto:inmail@iec.ch) IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

PRICE CODE

**U**

*For price, see current catalogue*

## FOREWORD

This amendment has been prepared by IEC technical committee 102: Equipment used in radio communications for mobile services and for satellite communication systems.

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

FDIS	Report on voting
102/62/FDIS	102/63/RVD

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

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

Amend the title of this standard on the cover page, the title page and on pages 5 and 9 as follows:

### **Part 8: Methods of measurement for antennas and ancillary equipment**

Page 3

## CONTENTS

*Add the title of the following new clause 9 in Section two:*

9 Measurement of duplexers

*Add the following new section and annexes.*

Section three – Vehicular antennas and conditions

10 Supplementary definitions and conditions

11 Standing-wave ratio

12 Radiation pattern

13 Relative antenna gain

14 Antenna power rating

15 Measurement of electrical performance parameter under adverse environmental conditions

Annex C (normative) Ground-plan test mounting

Annex D (normative) Standard antenna for mounting on a ground plane

Annex E (normative) Requirements for test equipment in power rating measurement

Page 9

*Replace the text of clauses 1 and 2 as follows:*

## **1 Scope**

This International Standard refers specifically to the antennas and ancillary equipment used in the mobile services.

This standard is intended to be used in conjunction with IEC 60489-1.

The supplementary terms and definitions and the conditions of measurement set forth in this standard are intended for type tests and may also be used for acceptance tests.

## **2 Object**

The object of this standard is to standardize the definitions, the conditions and the methods of measurement used to ascertain the performance of antennas and ancillary equipment (for example, duplexer) within the scope of this standard and to make possible a meaningful comparison of the results of measurements made by different observers on different equipment.

Page 19

*Add the following new clause 9 and new figures after subclause 8.4:*

## **9 Measurement of duplexers**

### **9.1 General**

#### **9.1.1 Supplementary terms and definitions**

For the purposes of this standard, the following supplementary terms and definitions apply.