



BSI Standards Publication

Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)

National foreword

This British Standard is the UK implementation of EN 50663:2017.

The UK participation in its preparation was entrusted to Technical Committee GEL/106, Human exposure to low frequency and high frequency electromagnetic radiation.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2017

Published by BSI Standards Limited 2017

ISBN 978 0 580 93887 0

ICS 17.240

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2017.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

Generic standard for assessment of low power electronic and
electrical equipment related to human exposure restrictions for
electromagnetic fields (10 MHz - 300 GHz)

Norme de produit pour l'évaluation de la conformité des
appareils électriques et électroniques de faible puissance
aux restrictions de base concernant l'exposition des
personnes aux champs électromagnétiques (10 MHz à 300
GHz)

Produktnorm für die Beurteilung der Übereinstimmung von
elektronischen und elektrischen Geräten kleiner Leistung
mit den Basisgrenzwerten für die Exposition von Personen
gegenüber elektromagnetischen Feldern (10 MHz bis 300
GHz)

This European Standard was approved by CENELEC on 2017-08-07. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Exposure conditions	4
5 Normative limits	5
5.1 Equipment used by the general public.....	5
5.2 Equipment used only by workers	5
6 Evaluation of compliance	5
7 Assessment uncertainty	5
8 Evaluation report	5
Annex ZZA (informative) Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered	6
Annex ZZB (informative) Relationship between this European standard and the essential requirements of Directive 2014/53/EU [2014 OJ L153] aimed to be covered	8

European foreword

This document (EN 50663:2017) has been prepared by the Technical Committee CENELEC/TC 106X “Electromagnetic fields in the human environment”.

The following dates are 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) 2018-08-07
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2020-08-07

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under mandates (M/511 and M/536) given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of the Radio Equipment Directive 2014/53/EU and the Low Voltage Directive 2014/35/EU.

For relationships with EU Directives, see informative Annexes ZZA and ZZB, which are an integral part of this document.

This European Standard is intended to be read in conjunction with EN 62479:2010 “*Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure restrictions for to electromagnetic fields (10 MHz to 300 GHz)*”.