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**Produktni standard za prikaz skladnosti brezžičnih komunikacijskih naprav z osnovnimi ali izvedenimi mejnimi vrednostmi v povezavi z izpostavljenostjo prebivalstva elektromagnetnim sevanjem v frekvenčnem območju od 300 MHz do 6 GHz: naprave, ki se uporabljajo v bližini ušesa**

Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear

Produktnorm zum Nachweis der Übereinstimmung von schnurlosen Kommunikationsgeräten mit den Basisgrenzwerten und Expositionsgrenzwerten für die Exposition von Personen gegenüber elektromagnetischen Feldern im Frequenzbereich von 300 MHz bis 6 GHz: Geräte, die in enger Nachbarschaft zum Ohr benutzt werden

Norme de produit pour démontrer la conformité des dispositifs de communication sans fil aux restrictions de base et aux valeurs limites d'exposition relatives à l'exposition des personnes aux champs électromagnétiques dans la plage de fréquences de 300 MHz à 6 GHz: dispositifs utilisés à proximité de l'oreille

**Ta slovenski standard je istoveten z: EN 50360:2017/A1:2023**

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**SIST EN 50360:2018/A1:2024** en



EUROPEAN STANDARD

**EN 50360:2017/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2023

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English Version

**Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear**

Norme de produit pour démontrer la conformité des dispositifs de communication sans fil aux restrictions de base et aux valeurs limites d'exposition relatives à l'exposition des personnes aux champs électromagnétiques dans la plage de fréquences de 300 MHz à 6 GHz: Dispositifs utilisés à proximité de l'oreille

Produktnorm zum Nachweis der Übereinstimmung von schnurlosen Kommunikationsgeräten mit den Basisgrenzwerten und Expositionsgrenzwerten für die Exposition von Personen gegenüber elektromagnetischen Feldern im Frequenzbereich von 300 MHz bis 6 GHz: Geräte, die in enger Nachbarschaft zum Ohr benutzt werden

This amendment A1 modifies the European Standard EN 50360:2017; it was approved by CENELEC on 2023-07-31. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

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

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**EN 50360:2017/A1:2023 (E)**

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## European foreword

This document (EN 50360:2017/A1:2023) has been prepared by CLC/TC 106X “Electromagnetic fields in the human environment”.

The following dates are fixed:

- latest date by which this document has to be (dop) 2024-07-31 implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting (dow) 2026-07-31 with this document have to be withdrawn

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 a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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**EN 50360:2017/A1:2023 (E)****1 Modification to the European foreword**

*In the 4<sup>th</sup> paragraph of the European foreword, below 2), add the following:*

“3) inclusion of the new normative document EN IEC 62209-3:2019.”

*Replace the 6<sup>th</sup> paragraph with the following:*

“This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).”

**2 Modification to Clause 1 "Scope"**

*In Clause 1 delete the 3<sup>rd</sup> and 4<sup>th</sup> paragraphs.*

**3 Modification to Clause 2 "Normative references"**

*In Clause 2, add after EN 62209-1:2016:*

“EN IEC 62209-3:2019, Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 3: Vector measurement-based systems (Frequency range of 600 MHz to 6 GHz) (IEC 62209-3:2019)”

*In Clause 2, delete the following normative reference:*

“Directive 2013/35/EU of the European Parliament and of the Council of 26 June 2013 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields) (20th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) and repealing Directive 2004/40/EC (Official Journal L 179, 29.6.2013, p. 1-21”

**4 Modification to Clause 3 "Terms and definitions"**

*In Clause 3, add after the last term:*

**"3.6  
assessment**

undertaking of an evaluation of the RF exposure from a DUT in order to arrive at a judgement about comparison with the applicable exposure limits”

**5 Modification to Clause 4 "Exposure conditions"**

*In Clause 4, replace the first four paragraphs with:*

“Compliance shall be demonstrated by assessing the maximum peak mass and time averaged SAR induced from all intended operating conditions as well as the reasonably foreseeable conditions of use of the device.”

**6 Modification to Clause 5 "Normative limits"**

*In the first and the second paragraph of Clause 5, replace the term*

"equipment"

*with*

"devices".

*In Clause 5, delete in the 1<sup>st</sup> paragraph:*

"(head and trunk)"