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ILNAS-EN IEC 62232:2022

Determination of RF field strength, power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure

Bestimmung der HF-Feldstärke, der
Leistungsdichte und der spezifischen
Absorptionsrate (SAR) in der
Nachbarschaft von

Détermination de l'intensité de champ de
radiofréquences, de la densité de
puissance et du DAS à proximité des
stations de base dans le but d'évaluer



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Determination of RF field strength, power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure (IEC 62232:2022)

Détermination de l'intensité de champ de radiofréquences, de la densité de puissance et du DAS à proximité des stations de base dans le but d'évaluer l'exposition humaine (IEC 62232:2022)

Bestimmung der HF-Feldstärke, der Leistungsdichte und der spezifischen Absorptionsrate (SAR) in der Nachbarschaft von Funkkommunikations-Basisstationen zur Ermittlung der menschlichen Exposition (IEC 62232:2022)

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 106/576/FDIS, future edition 3 of IEC 62232, prepared by IEC/TC 106 "Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62232:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-08-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-11-18

This document supersedes EN 62232:2017 and all of its amendments and corrigenda (if any).

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

ISO/IEC 17025 NOTE Harmonized as EN ISO/IEC 17025

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/IEEE 62209-1528	-	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Part 1528: Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz)	EN IEC/IEEE 62209-1528	-
IEC 62209-3	-	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)	EN IEC 62209-3	-
IEC 62311	-	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)	EN IEC 62311	-
IEC 62479	-	Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)	EN 62479	-
IEC/IEEE 62704-1	-	Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 1: General requirements for using the finite difference time-domain (FDTD) method for SAR calculations	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/IEEE 62704-2	-	Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas	-	-
IEC/IEEE 62704-3	-	Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 3: Specific requirements for using the finite difference time domain (FDTD) method for SAR calculations of mobile phones	-	-
IEC/IEEE 62704-4	-	Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communication devices, 30 MHz to 6 GHz - Part 4: General requirements for using the finite element method for SAR calculations	-	-
IEC/IEEE 63195-1	-	IEC/IEEE 63195-1 ED1: Measurement procedure for the assessment of power density of human exposure to radio frequency fields from wireless devices operating in close proximity to the head and body – Frequency range of 6 GHz to 300 GHz	-	-
IEC/IEEE 63195-2	-	IEC/IEEE 63195-2 ED1: Determining the power density of the electromagnetic field associated with human exposure to wireless devices operating in close proximity to the head and body using computational techniques, 6 GHz to 300 GHz	-	-



INTERNATIONAL STANDARD



Determination of RF field strength, power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure

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