

<b>STN</b>	<b>Základná norma na posudzovanie vysielacej stanice na mieste prevádzky vzhľadom na všeobecnú expozíciu verejnosti vysokofrekvenčným elektromagnetickým poliam</b>	<b>STN EN 50554</b>  36 7952
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Basic standard for the in-situ assessment of exposure to radio frequency electromagnetic fields in the vicinity of a broadcast site

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/21

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EUROPEAN STANDARD

**EN 50554**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2021

ICS 17.240

Supersedes EN 50554:2010 and all of its amendments  
and corrigenda (if any)

English Version

**Basic standard for the in-situ assessment of exposure to radio  
frequency electromagnetic fields in the vicinity of a broadcast  
site**

Norme de base pour l'évaluation in-situ de l'exposition du  
public aux champs électromagnétiques de radiofréquence  
aux environs d'un site de radiodiffusion

Grundnorm für die Bewertung eines Rundfunkstandorts vor  
Ort in Bezug auf die Exposition der Allgemeinbevölkerung  
gegenüber hochfrequenten elektromagnetischen Feldern

This European Standard was approved by CENELEC on 2021-04-26. 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, 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: Rue de la Science 23, B-1040 Brussels**

**EN 50554:2021 (E)**

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## European foreword

This document (EN 50554:2021) 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 implemented at national level by publication of an identical national standard or by endorsement 2022–04–26
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2024–04–26

This document supersedes EN 50554:2010 and all of its amendments and corrigenda (if any).

EN 50554:2021 includes the following significant technical changes with respect to EN 50554:2010:

- consideration of the new Directive 2013/35 /EU related to workers exposure;
- update of referenced standards;
- provision of a method to determine the relevant domain.

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.

**EN 50554:2021 (E)****1 Scope**

This document specifies the method for assessing overall exposure from all fixed radio frequency sources at a broadcast site. This assessment can be applied at any time but is carried out when the exposure situation changes in or around the aforementioned site.

This document can play an essential role in the coordination of different stakeholders, with respect to ensuring EMF exposure compliance in the vicinity of a broadcast site especially for equipment installed within the site.

**2 Normative references**

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.

EN 50496, *Determination of workers' exposure to electromagnetic fields and assessment of risk at a broadcast site*

EN 50413, *Basic standard on measurement and calculation procedures for human exposure to electric, magnetic and electromagnetic fields (0 Hz - 300 GHz)*

EN 62232:2017, *Determination of RF field strength, power density and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure (IEC 62232:2017)*

Council Recommendation 1999/519/EC of 12 July 1999, *on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)*, *Official Journal*, L199, of 1999-7-30, p.59-70

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**