

## Kongres Container

# What are the EMS risks of communication base stations



## Overview

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Are radio base stations harmful?

The WHO states: “From all evidence accumulated so far, no adverse short- or long-term health effects have been shown to occur from the RF signals produced by base stations.” (WHO fact sheet “Base stations and wireless technologies”) Mobile phones and mobile devices require a network of radio base stations to function.

How much exposure can a radio base station have?

On the ground, in houses, and other places where people reside, the exposure levels from radio base stations are normally below 1 percent of the limits. Only in the close vicinity of the antennas can the exposure limits sometimes be exceeded.

Are mobile phones dangerous to people living near base stations?

In the UK, the Independent Expert Group on Mobile Phones (IEGMP) concluded in its 2000 report that the balance of evidence indicates that there is no general risk to the health of people living near base stations on the basis that exposures are expected to be small fractions of guidelines.

Do mobile phones need a base station?

Mobile phones and other mobile devices require a network of base stations in order to function. The base station antennas transmit and receive RF (radio frequency) signals, or radio waves, to and from mobile phones near the base station. Without these radio waves, mobile communications would not be possible.

Is living near a base station dangerous?

Also in the UK, the independent Advisory Group on Non-ionising Radiation (AGNIR) concluded in a 2003 report that exposure levels from living near to base stations are extremely low – the overall evidence indicates they are

unlikely to pose a risk to health.

How do base stations work?

Base stations transmit and receive radio waves to connect the users of mobile phones and other devices to mobile communications networks. The strength of the radio waves from base station antennas reduces rapidly with increasing distance and the levels at locations where the public can be exposed tend to be small.

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