

# Safe distance of outdoor base stations

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 base stations dangerous?

This includes base stations, cell sites, and mobile devices. Since the base station and the devices connected to utilize low power radio waves, they aren't considered to be dangerous, so long as the antenna portion of the station is kept at a safe distance from anyone nearby.

Is it safe to work at a base station?

All areas at a base station site or at an antenna site (which is where the antenna is mounted) that meet the EMF limits for the general public are, by definition, safe for workers. When it is necessary to access areas closer to transmitting antennas, there are two alternative safe working practices.

Is a cellular base station safe?

Like other radio towers, such as those used in broadcast radio and television, the use and construction of a cellular base station is regulated by the FCC, and the RF energy levels it can produce fall well below levels considered to pose a threat to health. The antennas themselves must be kept inaccessible to the public, and at a safe range.

What safety information should a base station worker be aware of?

Prior to arrival or before approaching transmitting antennas at a base station site, the worker must be acquainted with the safety information for all transmitting installations at the site, e.g., compliance boundaries and the locations of the antennas.

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.

The paper presents the results of calculations devoted to determining a safe distance between public buildings and LPG filling station facilities, using selected analytical models. The ...

The cameras talk to your wireless router (or wireless access point), using 2.4GHz. Not the simple safe base station. The base station also connects to your router on the same frequency. ...

This paper investigates the minimum distance for a human body in the near field of a cellular telephone base

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station antenna for which there is compliance with the IEEE or ICNIRP ...

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