

A-Core Container

Mobile communication green base station safety range



Overview

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.

Are green cellular base stations sustainable?

This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks. We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

Are mobile phone base station antennas harmful?

Based on current research there is no established scientific evidence to support exposure to the low-level RF EME from mobile phone base station antennas causes any health effects. An essential part of Australia's mobile phone network, base station antennas can be found on towers and buildings around the populated areas of our country.

Can you work near a mobile phone base station?

Workers accessing rooftops and towers that house base station antennas must consult with building and facility management before entering the site. A guide to working safely near mobile phone base stations is available at RadioWorkSafe.

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.

Why do mobile phone users need more base stations?

In an area of increasing mobile phone use the number of additional base stations needed to maintain service quality increases, even in areas where mobile network coverage already exists. If this is not done the mobile network will not operate properly and, as a result, mobile phone users may not be able to connect to their network.

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