

SolarTech Power Solutions

Communication mobile base station safety distance



Overview

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So, what are safe distances for avoiding mobile tower radiation?

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The findings revealed that individuals residing within 350 meters of the tower experienced a significantly higher cancer rate—129 cases per 10,000 people annually—compared to 16 per 10,000 in a nearby area located over 350 meters away. This stark contrast suggests a potential link between proximity.

The guidelines below are the minimum distances usually needed to reduce the EMFs down to the General Public Precautionary Levels (see Note 1). In many cases the distances needed will be less than is shown here — but in a few cases, a greater distance will be required. Therefore, it is always best.

India's Department of Telecom (DOT) established an Antenna Rule which states that if a mobile tower has 1 antenna, then it should be installed at a minimum distance of 20 meters (0.01 miles) from any household or building. The more antennas facing the same direction, then the larger the distance.

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.

The short answer: More than 300 meters. Our environment is increasingly filled with electromagnetic frequencies of human-made origin. Regarding these matters, concerns have been raised by the public about what these daily exposures might mean for good health. These concerns have also become.

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