

## ContainerPower Energy Solutions

# Base station communication equipment safety qualified



## Overview

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Does Nigeria have safety standards and guidelines for base stations?

Yes. The NCC has guidelines for installation of mast and towers. Transmitting devices on the towers are type approved as safe by the NCC prior to deployment at sites. What is a base station Radio?

Base station radios are located in fixed positions, such as public safety answering points or dispatch centers, and tend to have the most powerful transmitters. A network is required to connect the different base stations to the same communications system.

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.

What is a base station antenna?

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. Radio waves have been used for communication for more than 100 years. Radio and television broadcasting are well-known examples of this.

What is the difference between a mobile and a base station Radio?

Mobile radios are often located in vehicles and use the vehicle's power supply and a larger antenna, providing a greater transmission range than handheld portable radios. Base station radios are located in fixed positions, such as public safety answering points or dispatch centers, and tend to have the most powerful transmitters.

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.

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