

ContainerPower Energy Solutions

Communication base station inverter distance regulations



Overview

How much RF exposure should a cell site transmitter have?

In the case of cellular and PCS cell site transmitters, the FCC's RF exposure guidelines recommend a maximum permissible exposure level to the general public of approximately 580 microwatts per square centimeter.

Which SAR measurements are not applicable to flexi multiradio base station?

The frequency is in the range of 800 to 3000 MHz. For the reasons above, SAR measurements are not applicable to Flexi Multiradio Base Station. The compliance boundary is defined as the area around the antenna shown in the following Area around the antenna figure. The antenna is located at the origin. Distances from the antenna are shown.

How safe is a transmitter antenna?

When working close to transmitter antennas, the proper safety distances must be observed. The minimum safe distance from an antenna is measured in metres. The antenna generates electromagnetic fields at radio frequencies. Do not cross the compliance boundary. This equipment generates electromagnetic fields.

What if I'm exposed to antennas over the guidelines?

Exposures exceeding the guidelines levels, however, are only likely to be encountered very close to, and directly in front of, the antennas. In such cases, precautions such as time limits can avoid exposure in excess of the guidelines. Individuals living or working within the building are not at risk.

How far away are RF antennas from a balcony?

measured 2 apartments and found that the apartment with high RF levels had outdoor areas as close as 6 meters (about 19.6 feet) from transmitting base station cell antennas. In contrast, the apartment with low RF exposure had cell antennas at 40 meters (about 131 feet) away from the balcony.

How many ft should a wireless antenna be?

Require setbacks of 1,640 feet for new wireless antennas from residences, businesses and schools. Cell phones and wireless devices should be equipped with updated software that stops cell phones from radiating when positioned against the body. Establish RF radiation-free zones in commercial and public buildings.

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