

Small base station changes communication frequency





Overview

How does a small cell base station communicate with a core network?

The small cell base station communicates with the core network over a high-speed backhaul connection. Core network: The core network manages the overall operation of the small cell network, including authentication, authorization, and routing of user traffic.

What is a small-cell base station (SBS) antenna?

To address the growing demand, 5G technology is being implemented at a larger scale. Small-cell Base Station (SBS) antennas are crucial for exploring the full potential of 5G networks by expanding the network in urban areas, densely populated regions, indoor environments, and low-coverage zones.

What is a small cell radio?

Telecommunications equipment manufacturers have taken traditional macro radio designs and shrunk them down into what's called a small cell. Small cells are smaller and cheaper than a cell tower and can be installed in a variety of areas, bringing more base stations closer to users.

How does a small cell base station affect a smartphone's battery life?

When a mobile device is close to a small-cell base station, the power needed to transmit the signal is much lower compared to the power needed to transmit a signal from a cell tower far away, thus extending smartphone battery life.



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