

Base stations form a key part of modern wireless communication networks because they offer some crucial advantages, such as wide coverage, continuous communications and an array of ...

Abstract: Driven by the intelligent applications of sixth generation (6G) mobile communication systems such as smart city and autonomous driving, which connect the physical and ...

This experiment demonstrates the performance of the multi-user communication-assisted set-up, highlighting the potential to enhance the channel capacity of 6G base stations assisted by ...

We develop a prototype of a proposed mobile base station and test its operation in an outdoor environment. The experimental results provide a sufficient data rate to make an independent ...

In this article, we target the audience of Wireless Communications Engineers working within Telecommunications Carriers, and we discuss comprehensive strategies for base station design that ...

In the daily maintenance of communication base stations, multifunctional calibrators are used to regularly detect and calibrate various sensors and equipment in the base stations, such as ...

Murata supports high-speed and large-capacity communication by small and low loss capacitors, inductors and filters for high frequencies. Furthermore, Murata contributes to downsizing and saving ...

An important component of 4G LTE network planning is the proper placement of evolved node base stations (eNodeBs) and the configuration of their antenna elements.

Our integrated circuits and reference designs help you create small cell base stations that enable multiband operation, higher bandwidth and better system reliability.

Specifically, a multi-functional base station (BS) can enable multi-functional transmission, by exploiting the same radio signals to perform target/environment sensing, wireless communication, ...

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