



Communication method between wireless communication base stations and uninterruptible power supply

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In this article, an algorithm for automatic control of energy sources was developed to improve the uninterrupted power supply of mobile communication base stations. Based on the proposed ...

In the communication power supply field, base station interruptions may occur due to sudden natural disasters or unstable power supplies. This work studies the optimization of battery ...

Backhaul Connection: The backhaul connection links the base station to the core network in the mobile communication system. It provides for the interchange of data between the base station ...

[0001] One or more embodiments disclosed herein relate to a wireless communication method in a wireless communication system that includes a base station (BS) including multiple...

Although radiative WPT shares many similar characteristics with the extensively studied wireless information transfer or communication, they also differ significantly in terms of design objectives, ...

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 ...

To reduce the extra power consumption due to frequent sleep mode switching of base stations, a sleep mode switching decision algorithm is proposed. The algorithm reduces unnecessary ...

In this thesis, we focus on the survey of GSM for wireless communication, which is one of the most widely deployed second generation wireless cellular systems in the world.

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This device was tested in real-world conditions at mobile communication base stations in the Khorezm region of the Republic of Uzbekistan, and the results were analyzed.

The power consumption of the RF PA in wireless communication base stations are too large and the efficiency of RF PA is too low. In this paper, a new hybrid ET power supply with a multi ...

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