

Title: Mini Base Station Energy Method

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Base Stations (BSs) sleeping strategy is an efficient way to obtain the energy efficiency of cellular networks. To meet the increasing demand of high-data-rate for wireless ...

Abstract. In order to solve high energy consumption caused by massive micro base stations deployed in multi-cells, a joint beamforming and power allocation optimization algorithm is ...

Using this technique, the energy consumption of a base station can be reduced by turning off energy-intensive devices inside the base station, or by turning off the entire base ...

We demonstrate that this model achieves good estimation performance, and it is able to capture the benefits of energy saving when dealing with the complexity of multi-carrier base stations ...

This paper establishes an energy router system for green and low-carbon base stations, a -48 V DC bus multi-source parallel system ...

Finally, the optimal placement of the base station is specified by the combination of the Genetic Algorithm and the Floyd Warshall. The DGAFW algorithm is based on minimizing ...

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A joint load control based on energy sharing and dynamic on/off switching of a small base station is investigated in to reduce the grid power and efficiently utilize the renewable ...

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