Energy mode of micro mobile base station equipment

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The simulation results show that joint integration of centralized renewable energy provision, energy cooperation, and advanced sleep modes enables the maximum utilization of ...

In this paper we study various homogeneous and heterogeneous deployment strategies incorporating micro base stations with focus on energy efficiency represented by power ...

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 proposed in ...

In this paper we derive a power model for typical base stations as deployed today. These provide a relative small dynamic contribution to power consumption and the optimum cell size is ...

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 ...

In wireless communications micro cells are potentially more energy efficient than conventional macro cells due to the high path loss ...

Aiming at the problem of mobile data traffic surge in 5G networks, this paper proposes an effective solution combining massive multiple-input multiple-output techniques ...

In this paper, an energy efficiency model for microcell base stations is proposed. Based on this model, the energy efficiency of microcell base stations is compared for various wireless ...

Forced-handover is a concept of forcing edge mobile stations to neighbour relay stations for both energy

saving and SINR improvement of the network. The proposed energy ...

In wireless communications micro cells are potentially more energy efficient than conventional macro cells due to the high path loss exponent. Also, heterogeneous ...

In today"s 5G era, the energy efficiency (EE) of cellular base stations is crucial for sustainable communication. Recognizing this, Mobile Network Operators are actively prioritizing EE for ...

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