

Title: Wireless outdoor ep base station energy method

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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 ...

According to the present disclosure, an excessive energy consumption problem of a base station in a mobile communication system is resolved, and higher energy efficiency can ...

A method performed by a base station (BS) in a wireless communication system may include: transmitting, to a user equipment (UE), information of an energy saving mode; identifying an...

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 ...

This technical report explores how network energy saving technologies that have emerged since the 4G era, such as carrier shutdown, channel shutdown, symbol shutdown etc., can be ...

Dynamic measurement method for evaluation energy efficiency of 5G radio Base Stations with respect to mMTC and URLLC is subjected for further study and will be handled in the later ...

To enhance system efficiency and establish green wireless communication systems, this paper investigates base station sleeping and power allocation strategy based on ...

ory concerns, and potential energy crises arising from geopolitical tensions. In this work, we propose an approximate dynamic programming (ADP)-based method coupled with online ...

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