

5g base station power supply energy efficiency future work analysis

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 ...

The power consumption of 5G hardware is between two and four times greater than 4G, posing unprecedented challenges for site infrastructure construction. It calls for systematic research ...

To further explore the energy-saving potential of 5 G base stations, this paper proposes an energy-saving operation model for 5 G base stations that incorporates communication caching ...

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