Research on communication mechanism between base station and terminal

How do BS-relay stations work?
The algorithm takes into account network throughput and coverage to achieve BS-Relay Station deployment. From the perspective of energy and the environment,the power that a BS consumes is proportional to the maximum region that the BS can serve. Cost minimization is an issue that needs to be considered in BS construction.

How BS-relay station deployment technology is based on joint clustering?
Ratheesh et al. proposed a BS-Relay Station deployment technology based on joint clustering. The algorithm takes into account network throughput and coverageto achieve BS-Relay Station deployment. From the perspective of energy and the environment,the power that a BS consumes is proportional to the maximum region that the BS can serve .

How does terrain affect signal propagation?
In practical applications, terrain and buildings will have a greater impact on signal propagation. In the future, three-dimensional coordinates may be established to redeploy the new BS, which has room for further improvement.

We discuss the distance estimation between the base station and user terminal in wireless communications using multi-carrier signal. In this paper, we propose a method to ...

The embodiment of the invention provides a communication method, a base station and a terminal device. The communication method comprises the steps that the base station sends ...

Most of the current research is based on the performance of the base station (BS) itself or the operation mode of the communication operator without considering the users' ...

Faced with the rapid development of the Wide Area Internet of Things, there have also been many studies on heterogeneous communication network fusion both domestically ...

The hidden terminal problem is known to degrade the throughput of wireless networks due to collisions, while the exposed terminal problem results in poor performance by ...

On the basic of traditional macro cellular networks, ultra dense networks deploy plenty of low-power nodes working with maximum power, which provide superior ...

These ground base stations, working in collaboration with Low Earth Orbit (LEO) satellites, can solve the problem of limited computing resources when satellites handle large ...

For example, only omnidirectional antenna pattern is assumed at the terminal, and perfect sectoring antenna pattern is assumed at the base station, while the impact of practical ...

It used a kind of multi-hop device-to-device (D2D) communication, which relayed transmission between the base station and terminal devices. Simulation results show that a ...

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 ...

This base station includes: a control unit that, on the basis of a change in traffic load, determines whether to change a function for transmitting system information, said ...

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