Excellent power private network base station

How to reduce power-intensive base stations?
To address the issue of power-intensive base stations,proposed a combined approach involving base station sleep and spectrum allocation. This approach aims to discover the most efficient operating state and spectrum allocation for SBS to minimize power consumption and network disturbance.

What is enterprise-level radio access network (ran)?
Enterprise-level radio access network (RAN) with the 3GPP standard spectrum. Leverages eco-system to meet the requirements of low latency and multi-terminal access in the electric power industry,and isolate data of different electric power services and networks of different security zones.

Does the proposed method have more active base stations?
The results show that the proposed method has more active base stationsthan the method in in all the scenarios,because this paper proposes a solution to ensures the minimum data rate for a larger number of users,resulting in a reduced number of base stations that need to be shut down.

Are base station sleep and power allocation related?
Each SBS n is considered an agent,and each agent can make decisions based on the surrounding environment to get the reward value for the next round of exploration. In this paper,the base station sleep and power allocation are two closely relatedmechanisms that jointly optimize the resource management of SBSs through DQN.

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 ...

Within the context of 5G, Ultra-Dense Networks (UDNs) are regarded as an important network deployment strategy, employing a large number of low-power small cells to ...

The development of power wireless private network planning work has very important guiding significance for realizing wireless network coverage in the target area and ...

Aiming at the problem of base station site selection in power wireless private network, this paper proposes a site selection optimization scheme using an improved NSGA-2 ...

The article presents a following method: location selection and network optimization for the wireless communication network. First, it collects the experimental data set of base station ...

It is a miniaturized LTE private network base station specially developed according to the needs of the private network communication market, supports dual-channel antenna configuration, ...

Abstract Based on 5G short slice and 4G short multiplexing for power system wireless private network initiated by State Grid Hubei Electric Power Company, aiming at the ...

Huawei Smart Grid LTE-G Private Network Solution meets the requirements of the power industry for low latency, multiple access, data isolation and high reliability with ...

Cell-free (CF) networks can reduce cell boundaries by densely deploying base stations (BSs) with additional hardware costs and power sources. Integrating a reconfigurable ...

In order to meet the requirements of clean and low-carbon indicators in the new power system, while introducing clean energy into the base station system of the power ...

Web: https://ajtraining.co.za