

Mutual interference between communication base station batteries

To address this issue, we propose BatPro, a battery pro-filing framework, to precisely predict base station battery group working conditions by extracting the features that cause the working condition ...

These studies showcase the development of innovative interference management technologies but overlook the complex interference issues arising from base station cooperation.

To meet the super-large capacity demand in 5G wireless communication networks, more and more base stations (BSs), especially small base stations (SBSs), are deployed in HetNets [9, ...

These base stations are designed with advanced interference protection features to ensure reliable communication in challenging environments. If you're interested in learning more

The device has a simple structure; it is easy to manufacture and install the device; it can be applied to the base station's antennas in network use. In addition, the device can efficiently...

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 battery ...

The MARL approach is able to take into account mutual interference and collaboration between base stations, allowing the entire network to work coherently and optimize overall power ...

mutual interference model of multiple ISAC base stations, which consists of communication and radar sensing related interference. Moreover, we propose a joint optimization algo. ithm (JOA) to solve the ...

Deploying micro base stations (BSs) is regarded as one of feasible approaches to enhance network coverage. However, unreasonable deployment will cause mutual interference between base stations ...

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