Base station communication experiment

To serve the maximum number of users in the disaster area without apriori user distribution information, we proposed a "sweep and search" algorithm to find the optimal deployment of drone base stations. ...

Implications for 6G base stations and wireless data centers This breakthrough could mean a lot for the next wave of communication infrastructure. 6G base stations might use this integrated ...

This experiment demonstrates the performance of the multi-user communication-assisted set-up, highlighting the potential to enhance the channel capacity of 6G base stations assisted by ...

The findings offer insights into the potential of using drone base stations in post-disaster scenarios, thereby empowering disaster management agencies with enhanced communication ...

After deploying 5G communication equipment in substations, 5G large-scale array antennas have higher power, smaller coverage area, and larger bandwidth compared to 4G ...

One of the primary tasks for effective disaster relief after a catastrophic earthquake is robust communication. In this paper, we propose a simple logistic method based on two-parameter ...

We develop a prototype of a proposed mobile base station and test its operation in an outdoor environment. The experimental results provide a sufficient data rate to make an independent mobile ...

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

There is an increasing and growing demand for IoT sensors in a variety of fields. We can expand the range of their use, if we can wirelessly transmit power to t.

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