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Title: Construction of emergency communication mobile base stations

Generated on: 2026-04-13 14:40:33

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To solve these problems, I decided to build a portable base station that can be used for voice, packet and APRS on 2 meters and 70 cm. This station can be used for emergencies and non-emergency ...

Abstract--Disaster relief operations rely on the rapid deployment of wireless network architectures to provide emergency communications. Future emergency networks will consist typically of...

In this paper, we propose a simple logistic method based on two-parameter sets of geology and building structure for the failure prediction of the base stations in post-earthquake.

An emergency communication system is necessary for first responders, who need to enter areas with no network coverage or damaged network infrastructure due to n

At the same time, unusual peaks in traffic load could lead to much higher blocking prob-ability for critical communication. A possible solution for such scenarios is through the use of mobile cellular base ...

A novel architecture is proposed in this paper for the public safety broadband network. The architecture deploys stationary base stations sparsely to serve light routine traffic and dispatches mobile base ...

The base station carried by the movable platform can react to changes in the network in real time, allowing more flexibility and introducing a new degree of freedom for the emergency communication ...

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 ...

The purpose of this paper is to realize the coverage and deployment of mobile base stations in complex and unknown fire environments.



Construction of emergency communication mobile base stations

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