

In this paper a method is presented for calculating the optimal proportion of the two station types and their optimal placement. Random scenarios and a real example from Hurricane Katrina are...

The authors focus on describing the main outcomes of the ABSOLUTE project in terms of network and system architecture, regulations, and implementation of aerial base stations, portable land mobile ...

During disasters such as hurricanes, earthquakes, tornadoes, storms, tsunamis and man-made disasters, the need for communication becomes more imperative for the

Ideal for agencies who utilize rental cars, this aluminum lockable suitcase is ideal for "jump and run" scenarios when immediate and clear communications are a necessity. Its ...

By combining the portability of handheld radios with the extended range of base stations - without the deployment complexity - these systems give rescue teams reliable connectivity when ...

When the signal can't get to the portable radio due to interference, an emergency responder communications enhancement system needs to be installed to amplify and repeat the ...

Access to reliable communications services is a key factor in any emergency situation. ASTRI has succeeded in producing a mobile base station that allows for cost-efficient, low-latency, and stable ...

With the development of 5G technology, a convenient and fast emergency communication solution is needed when the local ground base station is unavailable for disaster. ...

To further explore the energy-saving potential of 5 G base stations, this paper proposes an energy-saving operation model for 5 G base stations that incorporates communication caching

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 ...

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