Analysis of EMS of communication base stations

In this method, the geological structure, geographic location of the base station, and the category of the base station in the parameter variables are objectively available when evaluating the siting of ...

Based on the real operation data of post-earthquake communication base stations, this paper proposes a logistic method of parameter grouping, which can effectively evaluate the failure...

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 ...

A method to evaluate the post-earthquake functionality of communication base stations using Bayesian network is developed.

Therefore, this paper conducts the seismic fragility analysis for storage battery pack (SBP) and equipment cabinet (EC), commonly used in communication base stations, through the ...

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 base station sub-system (BSS) was analyzed, and measurements were collected and recorded in di®erent counters to calculate the transmitted power of the base station.

This paper presents the design considerations and optimization of an energy management system (EMS) tailored for telecommunication base stations (BS) powered by

Theoretical, software-computed and experimental evaluations of the exposure levels to electromagnetic fields generated by GSM 900, GSM 1800 and 3G base stations in urban areas, including ...

Analysis of EMS of communication base stations

Abstract--An emergency communication system is necessary for first responders, who need to enter areas with no network coverage or damaged network infrastructure due to natural or man-made ...

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