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Title: Principle of mobile base station power routing

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Explore the GSM (2G) architecture, including Mobile Station, Base Station Subsystem, and Network Switching Subsystem, with detailed diagrams and explanations.

This unit acts as a small centre to route calls to the required base station, and it also makes some decisions about which of the base station is best suited to a particular call.

These functions imply a global decision-making process, whereby it's possible to forward traffic to a different base station (or to multiple base stations) in an effort to make efficient use of the ...

In this article, a mathematical model of the power supply system for a mobile communication base station is developed. Based on the developed mathematical model, the mobile communication ...

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In this article, an algorithm for automatic control of energy sources was developed to improve the uninterrupted power supply of mobile communication base stations. Based on the proposed ...

If an adjacent base-station transmission (UTRA or LTE) is detected under certain conditions, the maximum allowed Home base-station output power is reduced in proportion to how weak the ...

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about which of the base station is best ...

Unlike base stations, which deal with direct communications between mobile devices and towers, Mobile Switching Centers (MSCs) oversee the routing of calls and data ...

Based on the above formula, we can determine the minimum N needed to support a desired grade of service. PSPDN (Packet Switched Public Data Net.) CSPDN (Circuit Switched Public ...

Many mobile base stations in the equipment put into operation early, often damp, high temperature, dust, etc., therefore require communication power with moisture, high ...

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