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Title: Mobile communication without base stations

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During low traffic hours, switching off base stations is an effective way of saving energy in mobile communication networks. To serve increased traffic and to fulfill large and high-speed data ...

Overview Mobile phone network Concept History Cell signal encoding Frequency reuse Directional antennas Broadcast messages and paging

Unlike base stations, which deal with direct communications between mobile devices and towers, Mobile Switching Centers (MSCs) ...

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

Satellite direct-to-device communication takes off -- discover two approaches to connecting the unconnected.

Mikael Asplund, a doctoral candidate in computer science, is now presenting, among other things, a complement to existing communication channels in a crisis. The idea is to use the new ...

In addition to supporting traditional mobile communication, base stations also play a vital role in two-way radio systems such as citizens band (CB) radio and ham radio.

The base station antennas transmit and receive RF (radio frequency) signals, or radio waves, to and from mobile phones near the base station. Without these radio waves, mobile ...

Mobile telephone base stations and satellite telephones are of major importance, but they have their limitations in terms of cost, construction time, and access on a large scale.

OverviewHistoryCellular systemsUsageImpact on societyTariff modelsTechnologies usedFurther reading

Mobile telephony is the provision of wireless telephone services to mobile phones, distinguishing it from fixed-location telephony provided via landline phones.

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