

Number of base station accesses and simultaneous communications

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Capacity: Capacity of a base station is its capability to handle a given number of simultaneous connections or users. Coverage Area: The coverage ...

We then describe the cellular principle. In order to increase the number of simultaneous links on which communication can take place, an area is divided into multiple cells, each of which has one base ...

Each base station can only serve a limited number of mobile devices at a time. As the number of mobile devices in a community grows, more base stations are needed.

Various embodiments relate to simultaneously communicating with multiple base stations in an OFDM system. Each mobile terminal measures pilot signal strengths of transmissions from ...

base-stations is done in an incremental way in real systems. Initially, enough base-stations to provide coverage are installed and new ones are added when the existing ones are overloaded. Any new ...

By using directional antennas on a base station, each pointing in different directions, it is possible to sectorise the base station so that several different cells are served from the same location.

A cellular network consists of a number of fixed base-stations, one for each cell. The total coverage area is divided into cells and a mobile communicates with the base ...

I'm trying to find out how many simultaneous connected devices can handle a typical LTE 4G or 3G public cell site. I know my question sounds broad, but i'am developping an mobile application which ...

Explore CDMA basics, including PN sequences, Walsh codes, and the PHY layer for both Base Stations and Mobile Subscribers. Learn how CDMA enables ...

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A GSM PLMN supports a wide range of services which a user accesses by a standard set of interfaces at a mobile station (MS). The mobile station is connected to the PLMN fixed infrastructure via a radio ...

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