

Title: Base station and UE communication process

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The UE communicates with the network infrastructure through the base station, which serves as the access point for wireless connections. In the context of 5G RAN, UE devices benefit ...

First, each base station establishes the wireless channel for a subscriber's UE upon power-up or upon handover when the UE is active. This channel is released when the UE remains idle for a ...

Further complicating the picture in a mobile network is that a given UE is often within reach of more than one base station, presenting the option to handover the UE from one base station to another.

5G New Radio (NR) defines a set of physical channels that facilitate communication between the user equipment (UE) and the base station (gNB, or Next-Generation NodeB).

Base stations form a key part of modern wireless communication networks because they offer some crucial advantages, such as wide coverage, continuous communications and an array of ...

The present invention relates to the field of mobile communications technologies, and in particular, to a UE management method, a UE, and a base station.

This topic presents the communication flow between the 5G base station (gNB) and user equipment (UE) nodes, explaining the uplink (UL) and downlink (DL) transmission.

It visually lays out how a device, referred to as User Equipment (UE), connects to the network and sets up secure communication with the core network. The image above shows the LTE ...

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