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Title: Analysis of the communication process between ue and base station

Generated on: 2026-05-13 20:42:53

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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 ...

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.

Through this, we clarify the practical distinctions and propose a comprehensive framework for differentiating between BS-side and UE-side RIS scenarios in terms of their design parameters.

These procedures are crucial for maintaining efficient communication between the User Equipment (UE) and the network, ensuring secure and reliable connectivity in the 5G ecosystem.

The HSF and the distance between the UE and the base station were utilized as input data to Self Organizing Map (SOM), an unsupervised machine learning algorithm, to form clusters of the...

In the world of mobile communication, the interaction between User Equipment (UE) and the Base Stations (eNodeB for LTE and gNodeB for 5G) is fundamental. One critical aspect of this ...

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.

Methods and apparatus for supporting efficient transitioning of a UE device from a source to destination base station are described. Various embodiments are well suited for use in an...

Learn how User Equipment (UE) connects to LTE networks via eNodeB, EPC, and IP services. Explore architecture, interfaces, and integration with Internet and IMS.

Analysis of the communication process between ue and base station

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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