

dual-frequency combined observations of mobile communication base stations. The dual-frequency combined ...

Oct 10, 2025 · With the large-scale deployment of 5G technology, the rationality of communication base station siting is crucial for network performance, construction costs, and operational ...

By using controllable directivity antennas in base station equipment to calculate and equalize the downlink communication bit rate of each sector, the problem of high communication rate ...

Mar 20, 2006 · When communicating with a mobile station by MIMO-OFDM communication for transmitting data and a pilot signal, a base station uses the multi-input multi-output (MIMO) ...

Aug 1, 2024 · This paper proposes a double-layer clustering method for 5G base stations and an integrated centralized-decentralized control strategy for their participation in frequency ...

Jun 14, 2021 · An aerial base station (ABS), i.e., unmanned aerial vehicle-mounted base station, has a significant potential to effectively boost the coverage of next-generation wireless ...

Jun 12, 2024 · This research delves into an integrated sensing and communication (ISAC) system, which leverages a ship-based station to simultaneously offer maritime communication ...

A base station in a network system includes: a transmission unit configured to transmit a first reference signal to a terminal via a first non-terrestrial communication device; and a reception ...

Apr 20, 2022 · Provided is a terminal comprising: a transmission unit that reports, to a base station, the maximum number of bands which are supported for a transmission switching ...

Nov 27, 2023 · Driven by the intelligent applications of sixth-generation (6G) mobile communication systems such as smart city and au-tonomous driving, which connect the ...

(54) TERMINAL, WIRELESS COMMUNICATION METHOD AND BASE STATION (57) A terminal according to one aspect of the present disclosure includes a receiving section that re-ceive a ...

Jan 16, 2025 · For illustrating the potential of the proposed prototype in the application of a smart 6G base station, we take the proposed system to assist a millimeter-wave base station and ...

Web: <https://www.mobicentric.co.za>