Micro base station three-dimensional communication

To this end, this paper introduces a symbol-level fusion method and a grid-based three-dimensional discrete Fourier transform (3D-GDFT) algorithm to achieve precise ...

Here, we propose a large-scale 2-bit millimeter-wave programmable metasurface to build an integrated smart base station framework for 6G communications. The meta-array is ...

High-bandwidth communication, supports star-shaped networking, and AES encryption for security protection. The LBA 3 achieves bidirectional synchronous data transmission, ...

Abstract The utility model discloses a three-dimensional radar system of MIMO based on 5G basic station belongs to microwave radar and millimeter wave communication technical field.

Recently, unmanned aerial vehicles (UAVs) have been reported a lot as aerial base stations (BSs) to assist wireless communication in Internet of Things (IoT). However, most ...

Enhanced Mo-bile BroadBand (eMBB), offers the necessary support for bandwidth-demanding applications like high-definition video, three-dimensional video, cloud-based tasks, and ...

The 3-D RF module integrates four bare dies, one quad flat no-lead packaged chip, and more than 200 passive devices. Considering the electromagnetic isolation requirement, ...

To this end, this paper introduces a symbol-level fusion method and a grid-based three-dimensional discrete Fourier transform (3D-GDFT) algorithm to achieve precise localization of ...

We propose a novel systematic approach for the deployment optimization of unmanned aerial vehicles

(UAVs). In this context, this study focuses on enhancing the ...

In this article, for optimizing the three-dimensional (3D) deployment of aerial-BSs for 5G mmWave networks, a classic deep reinforcement learning (DRL) network which named ...

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