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Title: Three-dimensional communication small base station

Generated on: 2026-05-20 07:50:15

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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 results for ...

This article investigates a communication system assisted by multiple UAV-mounted base stations (BSs), aiming to minimize the number of required UAVs and to improve the coverage rate by ...

We have studied Chan-Taylor two-dimensional positioning algorithm and propose an innovative Chan-Taylor three-dimensional positioning algorithm. And we apply it.

This paper establishes a three-dimensional base station communication model to address the overall signal coverage rate in special regions with specific coverage requirements, ...

Our integrated circuits and reference designs help you create small cell base stations that enable multiband operation, higher bandwidth and better system reliability.

Abstract--Unmanned Aerial Vehicle-mounted Base Stations (UAV-BSs) have been envisioned as a promising solution to enable high-quality services in next-generation mobile networks.

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 deep Q ...

We propose a novel systematic approach for the deployment optimization of unmanned aerial vehicles (UAVs). In this context, this study ...

Our proposed model assists the ground base station (GBS) using the UAV to serve arbitrary distributed users considering the impact of the obstacle blockage over the well-known air-to-ground (A2G) path ...



Three-dimensional communication small base station

UNMANNED effective solution to complement traditional stationary base stations. Unmanned aerial vehicle base stations (UAV-BSs) have the rapid-dep

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