Micro base station three-dimensional communication

For the first time, this paper focuses on the problem of modifying the Z-axis location coordinates in three-dimensional (3D) target location. A novel algorithm is proposed by establishing ...

There are several reasons for high energy consumption. Among them, we find that the increase in base station density of the 5G heterogeneous network (5G HetNets) is prominent. We ...

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 validate its ...

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

In this paper, the principles and specific applications of macro base stations and micro base stations are introduced in detail, the encryption and protection of data by traditional 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, mechanical ...

In this paper, we propose an energy-efficient UAV-MBS deployment scheme in multi-UAV-MBS networks using a hybrid improved simulated annealing-particle swarm optimization (ISA ...

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

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 multiple targets ...

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