Three-dimensional communication wireless base station

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It is envisioned that the sixth generation (6G) and beyond 6G (B6G) wireless communication networks will enable global coverage in space, air, ground, and sea. In such ...

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In this paper, we propose a 3-dimensional (3D) indoor positioning method based on multipath information, which makes full use of OFDM technology and MIMO array antenna ...

The invention aims to provide a three-dimensional wireless positioning method and system based on a symmetrical base station, which can effectively solve the problems existing in the...

In this paper, we investigate a promising base station (BS) architecture that integrates a beyond diagonal RIS

(BD-RIS) within the BS to enable passive beamforming.

Abstract: Aiming at the problem that the indoor three-dimensional positioning algorithm is complex and the accuracy is not high, this paper proposes a three-dimensional wireless positioning ...

presents a following method: location selection and network optimization for the wireless communication network. First, it collects the experimental data set of base station locati.

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