



Jan 11, 2024&ensp;&#0183;&ensp;Positioning based on wireless communication networks has great application potential. In this paper, we propose a positioning method for the 5G-Advanced (5GA) or 6G ...

Oct 10, 2025&ensp;&#0183;&ensp;With the large-scale deployment of 5G technology, the rationality of communication base station siting is crucial for network performance, construction costs, and operational ...

Dec 12, 2022&ensp;&#0183;&ensp;For the problem of passive location in mobile cellular network, base stations (BSs) selection can improve positioning accuracy. Through the analysis of base station layout in ...

Nov 23, 2024&ensp;&#0183;&ensp;In this paper, we propose a positioning method for the 5G-Advanced (5GA) or 6G network. Firstly, we establish the communication link and generate the map-based hybrid ...

Jun 14, 2022&ensp;&#0183;&ensp;Over the last few years, drone base station (DBS) technology has been recognized as a promising solution to the problem of network design for wireless communication systems, ...

Nov 30, 2019&ensp;&#0183;&ensp;Aiming at improving the efficiency and the accuracy of the base station antenna inspection, a new method is proposed to use the deep learning algorithm YOLO v3 algorithm ...

Jul 23, 2025&ensp;&#0183;&ensp;The present-day tele-space is incomplete without the base stations as these constitute an important part of the modern-day scheme ...

Jun 12, 2025&ensp;&#0183;&ensp;The joint optimization method for multi-drone communication and localization, based on multi-base station carrier allocation, is a technique that leverages unmanned aerial ...

Jun 9, 2024&ensp;&#0183;&ensp;Abstract: Base station location selection and network optimization are critical to improving the performance of wireless communication networks in terms of latency reduction. ...

1 day ago&ensp;&#0183;&ensp;Abstract--Accurate outdoor localization in Non-Line-of-Sight (NLoS) environments remains a critical challenge for wireless communication and sensing systems. Existing ...

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 ...

May 28, 2023&ensp;&#0183;&ensp;With the sharp development of mobile communication technology, the coverage area of existing base stations cannot meet the increasing demand of users, so it is significant ...

Jun 12, 2024&ensp;&#0183;&ensp;This research delves into an integrated sensing and communication (ISAC) system, which leverages a ship-based station to simultaneously offer maritime communication ...

# Communication method not based on base station

Source: <https://h2arq.es/Sat-17-Dec-2022-42989.html>

Website: <https://h2arq.es>

Apr 13, 2025&ensp;&#0183;&ensp;This paper discusses the site optimization technology of mobile communication network, especially in the aspects of enhancing coverage and optimizing base station layout.

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Jun 1, 2025&ensp;&#0183;&ensp;The location of these events might not cover the large demand. In this paper, we address the classical problem of locating base stations for a mobile cellular network to serve ...

Aug 21, 2023&ensp;&#0183;&ensp;A terminal according to one aspect of the present disclosure comprises a reception unit that receives a performance index for performance monitoring of artificial intelligence (AI) ...

Web: <https://h2arq.es>

