

What is a base station?

When we talk about a base station, we're diving into the heart of communication technology. It's essentially a fixed point of communication within a network that connects mobile devices to central data and voice networks, primarily used in telecommunications. But its role extends far beyond just connecting calls. In the

What is Beidou navigation satellite system?
At present, BeiDou Navigation Satellite System can provide radio navigation service and radio data service, and most satellites in the world can also measure the distance between satellite and ground station during communicating, even providing time base for satellite.

What is satellite communication-navigation integrated technology?

DOI: 10.15982/j.issn.2096-9287.2021.20200087 1. 2. Satellite communication-navigation integrated technology allows users to achieve communication and navigation at the same time. Compared with an autarkical and independent satellite communication or satellite navigation system, a communication-navigation integrated system is more comprehensive.

Does a communication and navigation integrated system provide high precision positioning & timing services?

The simulation results show that the proposed communication and navigation integrated system not only provides communication services, but also provides high precision positioning and timing services for the users on the lunar surface. HEGARTY C J, CHATRE E. Evolution of the global navigation satellite system (GNSS) [J].

The iBase GNSS receiver offers a streamlined solution as a GNSS base station designed to meet surveyor's needs. Its performance rivals that of a standard external UHF radio modem ...

A Base Station in the context of GNSS (Global Navigation Satellite System) refers to a fixed, precisely located reference station that receives signals from GNSS satellites and provides corrections to ...

Key words: Global navigation satellite systems (GNSS), continuously operating reference station (CORS), GNSS/CORS networks, communication technology, real-time applications, ...

We propose a communication and navigation integration strategy based on OTFS that can adapt to high-speed motion communication and navigation scenarios. For communication, OTFS can ...

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In addition, it is also necessary to ensure the security of communication integration and base station navigation systems to prevent malicious attacks and data tampering.

Driven by the intelligent applications of sixth-generation (6G) mobile communication systems such as smart city and au-tonomous driving, which connect the physical and cyber space, ...

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1. Introduction Recently, with the rapid development of wireless communication technology, the enhancement of wireless network performance is concerned with meeting the ...

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