

Research on communication system base station

What is a base station monitoring system based on?

Research on Wireless Communication Base Station Monitoring System Based on Artificial Intelligence and Network Security
2.1 Research on Key Technologies of Wireless Communication
The communication of network is the fundamental of wireless communication .

Why is network security important in wireless communication base station monitoring?

With the rapid popularization of the network, under the increasingly complex network security situation and the increasingly prominent network security problems, network security occupies an important field in the wireless communication base station monitoring system, and has become a hot research direction.

How supervised machine learning is used in wireless communication base station monitoring?

In the experiment, using the supervised machine learning algorithm, the program of the wireless communication base station monitoring system is designed by setting the working frequency of the GSM-based wireless communication system to the wireless communication base station monitoring system.

How to test the equipment of a base station?

Test method for the equipment of the base station: select the corresponding equipment, check the status of the selected equipment, change the status of the equipment, check the status update of the equipment, and test whether the software can meet the control function of the base station equipment.

In response to the current widespread issue of high energy consumption in 5G base stations, this article conducts overall design, hardware design, and software design of ...

Compared with the fourth generation (4G) technology, the fifth generation (5G) network possesses higher transmission rate, larger system capacity and lower transmission ...

Integrated Sensing and Communication Enabled Sensing Base Station: System Design, Beamforming, Interference Cancellation and Performance Analysis Jiang Wangjun, ...

With the arrival of 5G era and the vigorous development and construction of smart city infrastructure, the coverage of a single base station becomes smaller, so it needs to be ...

With the rapid popularization of the network, under the increasingly complex network security situation and the increasingly prominent network security problems, network security ...

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

This paper discusses the site optimization technology of mobile communication network, especially in the aspects of enhancing coverage and optimizing base station layout. ...

This paper proposes a novel ventilation cooling system of communication base station (CBS), which combines with the chimney ventilation and the air co...

In general, the research of automatic cooling device of communication base station is getting wide attention at home and abroad. At home, the emphasis is on improving the ...

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

With the large-scale deployment of 5G technology, the rationality of communication base station siting is crucial for network performance, construction costs, and operational ...

The reliability and resilience of communication base stations are critical to the post-earthquake performance of the communication system, and consequently influence the ...

On the basic of traditional macro cellular networks, ultra dense networks deploy plenty of low-power nodes working with maximum power, which provide superior ...

Application of BIM technology is getting deeper and deeper in the field of base station (BS) in smart grid system engineering, and the problem of the lack of BIM standards is ...

The application requirements of 5G have reached a new height, and the location of base stations is an important factor affecting the signal. Based on factors such as base station ...

Most of the current research is based on the performance of the base station (BS) itself or the operation mode of the communication operator without considering the users" ...

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