

The initial step for D2D communication is the device discovery that the base station can perform. But, if the channel indicator parameters of the base station are not good, then the ...

It is to design a wireless communication base station monitoring system based on artificial intelligence and network security.

Based on the real operation data of post-earthquake communication base stations, this paper proposes a logistic method of parameter grouping, which can effectively evaluate ...

In wireless communication networks, base stations or cell towers are evaluated and assessed for their functionality, performance, and ...

Base stations are one of the widely used components in the field of wireless communication and networks. It is an access point or base point of a ...

The goal of Base Station Transmits is to discuss challenges faced by engineers and technicians who must optimize today's wireless networks. Topics include antenna systems, ...

Base stations form a key part of modern wireless communication networks because they offer some crucial advantages, such as wide ...

With the maturity and large-scale deployment of 5G technology, the proportion of energy consumption of base stations in the smart grid is increasing, and there is an urgent need to ...

The widespread deployment of cellular networks has improved communication access, driving economic growth and enhancing social connections across diverse regions. ...

In wireless communication networks, base stations or cell towers are evaluated and assessed for their functionality, performance, and dependability through a procedure ...

SRS (Sounding Reference Signal) is a crucial component of wireless communication systems, particularly in Long Term Evolution (LTE) and 5G networks. It plays a significant role ...

PDF | Network Quality of Service (QoS) is hinged on Base Transceiver Station (BTS) Availability. With the preparation of roll out of Next ...

The results of research and calculations of reliability for ten different types of backup communication lines of the base station and the base station ...

Base stations form a key part of modern wireless communication networks because they offer some crucial advantages, such as wide coverage, continuous communications and ...

This research focuses on analyzing and predicting traffic and throughput at base stations in cellular networks using machine learning algorithms. The main research area is ...

Additionally, exploring the integration of communication base stations into the system's flexibility adjustment mechanisms during the configuration is important to address the ...

In order to meet the requirements of clean and low-carbon indicators in the new power system, while introducing clean energy into the base station system of the power communication ...

The results of research and calculations of reliability for ten different types of backup communication lines of the base station and the base station controller are presented.

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.

The remainder of the paper is structured as follows: In Section II we introduce the system model for the wireless communication network. A mixed-integer nonlinear programming (MINLP) ...

This work investigates the early prediction of BTS failures due to power system and environmental abnormalities using long short term memory (LSTM) and gated recurrent ...

Abstract: Channel quality indicator (CQI) is a key parameter in communication system design that encodes the state of the channel. With this information, a base station (BS) can adjust the ...

With the rapid development of mobile communication, the major operators speed up the pace of network construction, the number of base stations increases significantly, the ...

The second-generation (2G) mobile systems were developed in response to the growing demand for a system that met mobile communication ...

In this paper, the major work is to solve the "blind spot" of 5G existing network BSs. In other words, it aims to solve the signal coverage problem of weak coverage points on the ...

What is Base Station Testing? In wireless communication networks, base stations or cell towers are evaluated

and assessed for their ...

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