

Title: Wireless Communication Green Base Station Introduction

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Saving power in base stations is therefore the primary focus in green wireless network development. This paper discusses green base stations in terms of system architecture, base station ...

The main goal of designing green base stations is to save energy and reduce power consumption while guaranteeing user service and coverage and ensuring the base station's capability for evolution. In a ...

A wide range of techniques and technologies are covered in this review article that focuses on innovative strategies, network architectures, and energy-efficient wireless communication ...

Green wireless communication can be achieved with the use of Green handover, Green codes, Green electronics, Green power amplification systems, Green antennas and Green base transceiver ...

In our view, the idea for GREEN is: Getting a Reliable Energy Efficient Network. The objective of such GREEN initiatives is to reduce the energy consumption of the wireless communication network, and ...

Many of the more advanced design concepts in today's base stations involve miniaturization, but this in turn raises issues related to power density. Lower power consumption is one way to address power ...

In order to effectively improve the energy efficiency of the future mobile networks, it is thus important to focus the attention on the base station. This chapter aims at providing a survey on the base stations ...

Green network aims to promote the sustainable development of communication systems, and base station (BS) and cells sleeping has been proven effective in reducing the ...

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