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Title: Internet of Things point-to-base station communication experiment

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For time and space constraints, 5G base stations will have more serious energy consumption problems in some time periods, so it needs corresponding sleep strategies to reduce energy ...

As a promising technology to enhance the wireless communication networks, reconfigurable intelligent surfaces (RIS) have emerged in various Internet of Things (IoT) ...

To achieve a better wireless interference management, this paper first surveys the base stations (BS) cooperative transmission and BS cooperative ON-OFF switching mechanism. For the ...

This review article explores communication challenges in IoBT, intending to produce a thorough overview of current research, methodology, technologies, and future ...

For the first time in the world, KDDI Research successfully concluded a demonstration experiment (hereinafter referred to as "the demonstration") to establish IP level ...

Based on the analysis of 5G super dense base station network structure, through the analysis of current situation and user ...

Based on the analysis of 5G super dense base station network structure, through the analysis of current situation and user demand, a cluster sleep method based on genetic ...

In the Internet of things (IoT), the energy-saving of battery-powered IoT terminal is a key problem. To address it, a novel transceiver is proposed, and a transmission scheme is pre- sented by ...

Backhaul Connection: The backhaul connection links the base station to the core network in the mobile

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communication system. It ...

Backhaul Connection: The backhaul connection links the base station to the core network in the mobile communication system. It provides for the interchange of data between ...

In the Internet of things (IoT), the energy-saving of battery-powered IoT terminal is a key problem. To address it, a novel transceiver is proposed, and a transmission scheme is presented by ...

In this article, we propose an RIS-integrated base station (BS) by deploying an RIS sufficiently close to the base station antennas (BAs), within its radiative near-field range.

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