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Title: Distributed base stations in communication networks

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The network is distributed over land areas called cells, each served by at least one fixed-location transceiver (short for transmitter-receiver - a device that both transmits and ...

We propose a concept system termed distributed base station (DBS) which enables distributed transmit beamforming at large carrier wavelengths to achieve significant ...

Another variation on the Distributed BTS concept is the capacity transfer system, in which a single BTS with a digital connection to the BSC (Base Station Controller) is connected to additional ...

Distributed base stations are a new generation of modern products used to complete network coverage. Its main feature is that the RF processing unit is separated from ...

In radio communications, a base station is a wireless communications station installed at a fixed location and used to communicate as part of one of the following: a push-to-talk two-way radio ...

In this paper, a distributed collaborative optimization approach is proposed for power distribution and communication networks with 5G base stations. Firstly, the model of 5G ...

In a distributed base station, baseband units are concentrated in a data center or network center, while RF units are distributed across multiple site locations. This architecture ...

In this paper, we build on these advances for design of a concept system that we term distributed base station (DBS), targeting significant improvements in communication link range and/or ...

In this letter, we aim to optimize the placement of base station (BS) antennas for maximizing the average

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ergodic sum capacity of a multi-user distributed antenna system (DAS).

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

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