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Title: Communication Green Base Station Uplink

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**Abstract--**Base station (BS) sleeping, a promising technique to address the growing energy consumption in wireless communication networks, encounters challenges such as coverage holes ...

Compared to the typical RAN architectures with corresponding access and power control methods, simulation results demonstrate the significant performance improvements of uplink FD ...

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 ...

How does a satellite uplink work? We have already discussed that satellite uplink is the signal transmission from the earth station up towards the satellite. Here in ...

Starlink, to deliver internet connectivity to its users, relies on a system of ground stations called gateways. These gateways act as an interlink between the user's ...

Learn how uplink and downlink work in satellite communication, enabling global connectivity, broadcasting, navigation, and telecom services.

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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