

Title: Power load characteristics of communication base stations

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5G communication technology is the main development direction of the new generation of information and communication technology. Compared with the previous 4G c.

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 base stations considering ...

In this paper, hourly electric load profiles of 5G BSs in residential, shopping, and office areas for future 5G application are simulated to compare and investigate their characteristics based ...

Several indices are designed to quantify the characteristics of the PDC and PRC. For the application, we demonstrate how the PDC and PRC will benefit flexible resource planning.

Semantic Scholar extracted view of "Electric load characteristics analysis of 5G base stations in different type of area" by Y. Yang et al.

Base stations represent the main contributor to the energy consumption of a mobile cellular network. Since traffic load in mobile networks significantly varies during a working or weekend day, it is ...

From Fig. 5, it can also be observed that, for this AAU type, the activation of symbol shutdown provides a 34 % power consumption saving w.r.t to the power consumption at zero load, while that of carrier ...

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