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Overview

What should be considered in a 5G network?

The further completion of the map of power models (Fig. 2) and systematization of their features as well as the comparison is also part of the future work. Lastly, the aspects of computing (network function virtualization) and functional split options of the RAN need to be considered for 5G networks as well.

What is 3GPP base station model?

The central specification body of cellular networks, the 3GPP, presents a base station model to facilitate energy efficiency improvements for 3GPP Release 18 in . It is based on the user equipment power model of the 3GPP in structure, presentation, and approach.

Should power consumption models be used in 5G networks?

This restricts the potential use of the power models, as their validity and accuracy remain unclear. Future work includes the further development of the power consumption models to form a unified evaluation framework that enables the quantification and optimization of energy consumption and energy efficiency of 5G networks.

What are 5G use cases?

Beyond the conventional use case of cellular networks, mobile broadband coverage, additional use cases have been identified for 5G that benefit from the low latency and high reliability (URLLC) and massive machine type Communications (mMTC) capabilities.



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DM_5G Base Stations_EN_20210928

Sep 28, 2021 · Base stations Global in best 5G operating performance is determined by a seamless integration of ultra-high speed, ultra-low latency and high capacity. SUNON can ...

TS 138 113

Oct 19, 2022 · TECHNICAL SPECIFICATION 5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.17.0 Release 15)

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