
Communications Wikipedia Base Station KPI Indicators

What are key performance indicators (KPIs) in 4G/LTE?

The 4G/LTE technology has been developed to meet user requirements and provide high network performance. In order to monitor and optimize the network performance, there is a need of using Key Performance Indicators (KPIs). The KPIs can control the quality of provided services and achieved resource utilization.

What are key performance indicators (KPIs)?

In order to monitor and optimize the network performance, there is a need of using Key Performance Indicators (KPIs). The KPIs can control the quality of provided services and achieved resource utilization. These indicators are categorized into the following subcategories: accessibility, retainability, mobility, integrity and availability.

What are KPI indicators?

The KPI indicators are used to measure the network performance. These indicators should be selected in a way that they measure end-user performances and the resource utilization. The main optimization target is to maximize the KPI performances while minimizing the resource utilization.

Why is KPI data important?

Key performance indicator (KPI) data provide candidate information required for effective network planning, performance analysis and optimization. However, inadequate KPI data could limit efficient network planning leading to escalating operational cost, and this could adversely affect the subscribers of the network.

Explore 5G Key Performance Indicators (KPIs) categorized under eMBB, URLLC, and mMTC, and understand the 5G performance requirements set by ITU.

This paper focuses on performance analyses of TK's 4G/LTE network, based on the main KPI performance indicators. More specifically, it is focused on analyzing the following key indicators: mobility, integrity and ...

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Abstract and Figures This study explores the use of machine learning algorithms to predict traffic and downlink throughput at base stations based on hourly Key Performance ...

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