



**EQACC SOLAR**

# **3D Communication 4GLTE Base Station Indicators**



## Overview

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What are the key indicators of TK's 4G/LTE network?

More specifically, it is focused on analyzing the following key indicators: mobility, integrity and availability. The measurements are performed on a segment of the TK's 4G/LTE network in Pristina, consisting of 24 base stations. The noted indicators are measured at network level.

Can genetic algorithms optimize base station placement in cellular networks?

This work proposed and applied a field measurement-based genetic algorithms approach to optimize base station placement in cellular networks. The proposed method explores the combined impact of strong cellular networks influencing parameters, such as capacity, coverage, and transmit power in the base station placement process.

How cellular networks affect base station placement?

The proposed method explores the combined impact of strong cellular networks influencing parameters, such as capacity, coverage, and transmit power in the base station placement process. A genetic algorithm-based approach is selected as an optimization technique, because it can produce a robust and good set of optimal solution spaces.

What parameters are used for 4G LTE network measurements?

Parameters that become a reference for 4G LTE network measurements are RSRP, SINR, and Throughput parameters . Methods that can be used to solve the problem of bad spot 4G LTE network area is using physical method , the results of RSRP parameter optimization of 70.08% and SINR parameter of 78.13%. .

## 3D Communication 4GLTE Base Station Indicators



### The Analysis of Key Performance Indicators (KPI) in ...

The measurements are performed on a segment of the TK's 4G/LTE network in Pristina, consisting of 24 base stations. The noted indicators are measured at network level.

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### Optimization of Base Station Placement in 4G LTE ...

This paper uses a field measurement-based genetic algorithms approach to optimize base station placement in cellular networks. The proposed method explores the ...

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## Wireless Communication Base Station Location Selection ...

1. Introduction Recently, with the rapid development of wireless communication technology, the enhancement of wireless network performance is concerned with meeting the ...



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## (PDF) Key performance indicators analysis for 4 G-LTE

PDF , Key Performance Indicator (KPI) gives potential information that needs for successful network deploying, performance study, and enhanced networks . , Find, read and ...

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## Analysis of key performance indicators of a 4G LTE network

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As wireless systems continue to grow and evolve to accommodate upward scaling traffic requirements following the rapid deployment of 4G LTE networks and the evolving 5G ...

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## Forecasting of Reliability Indicators of Base Stations of

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The article discusses the issues of forecasting the reliability of base stations of cellular communication networks using machine learning algorithms. This task is relevant, as ...

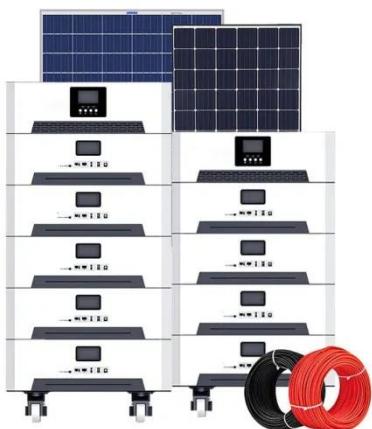
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## Updating analysis of key performance indicators of 4G LTE ...

Radio propagation measurements of key performance indicators (KPI) in a typical wireless communication network are critical to assessing the quality of service (QoS) of a ...

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## (PDF) Key performance indicators analysis for ...

PDF , Key Performance Indicator (KPI) gives potential information that needs for successful network deploying, performance ...

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An important component of 4G LTE

network planning is the proper placement of evolved node base stations (eNodeBs) and the configuration of their antenna elements.

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