

Majuro Communications 5G Base Station Location





Overview

To ensure the timely reliability of the data packets transmitted in the intelligent Internet of Things, many 5 G base stations must be established as relay nodes. Thus, how to meet the transmission requirement.

Can a multi-objective 5G base station planning model be used in real life?

Finally, the simulation experiment results are analyzed and it is concluded that the multi-objective 5G base station planning model combined with genetic algorithm has high coverage and feasibility in real life, and then provides a new direction for base station location selection. Download conference paper PDF.

How reliable is a 5G base station?

Currently, the timely reliability is 0.76, which obviously cannot meet the actual transmission requirements. Therefore, it is necessary to consider the timely reliability in the 5 G base station location.

What is 5 G base station location problem?

5 G base station location problem can be abstracted as a network design problem with relays (NDPR), which has attracted a lot of attention This problem was first proposed by Cabral et al. (2007) .

What is the application effect of a 5G base station?

The actual application results show that the application effect of this method in 5G network can reach 29%, which is in the same industry leading position . The selection of base stations should comprehensively consider various indicators, such as sharing rate, planning accuracy rate, and planning depth.



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