

Title: Base station for cluster communication

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By extending the "Cluster" concept to the spatial domain, the cluster dynamic radio sharing (Cluster DRS) solution enables low-altitude, three-dimensional coverage on 5G commercial ...

In the cluster, a node responsible for Intra- and inter-cluster communication is known as cluster head, whereas the other nodes that share their data to cluster head for communication are called cluster ...

In this paper, to address the site planning and area clustering problems of mobile communication networks, the K-mean clustering algorithm, linear programming,

In this paper, the weak signal coverage points were divided into three categories according to the number of users and traffic demand.

This paper provides some reference ideas for solving the problem of selecting and planning the base station site in the communication network.

Base stations form a key part of modern wireless communication networks because they offer some crucial advantages, such as wide coverage, continuous communications and an array of ...

In this study, we developed a stochastic model to analyse the information and communication interaction between a base station and a set of subscribers in a 5G cluster with ...

This paper establishes a three-dimensional base station communication model to address the overall signal coverage rate in special regions with specific coverage requirements, ...

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