Title: Base station site sharing ratio
Generated on: 2026-03-30 15:10:39

Can a shared base station optimization model improve the utilization of infrastructure resources?
To improve the utilization of infrastructure resourcesand reduce the cost of operators in the future 6G network construction,a 6G shared base stations optimization model is proposed in this paper,which is a bi-level multiobjective (BLMOP).

How ng interfaces can be provided between shared base stations?
That is,NG interfaces can be provided between shared base stations and respective 5GCs of operators by PLMN. 3. Operator-based cell reselection policy configuration: The network management system should support the configuration of frequencies and priorities for dedicated cell reselection based on PLMNs and UE capabilities.

Can 6G shared base station planning be implemented with different scales?
Besides, five test instances of the proposed 6G shared base station planning with different scales are generated for experimental simulation.

How to configure xn interfaces of shared base stations by PLMN?
Configure Xn interfaces of shared base stations by PLMN, and configure the PLMN ID and gNodeB ID in the global RAN node ID at each Xn interface as required. Configure NG interfaces of shared base stations by PLMN. That is, NG interfaces can be provided between shared base stations and respective 5GCs of operators by PLMN.

The study investigated the CDs of the most two commonly used types of sharing sites, macro and indoor-Based solution sites (IBS). In addition, the study analyzed the power ...

Because co-construction and sharing can achieve broader coverage with lower investment, through percolation theory, we investigate how different sharing strategies can deliver large ...

This paper discusses the site optimization technology of mobile communication network, especially in the aspects of enhancing coverage and optimizing base station layout.

This paper investigates the compliance distances (CDs) of shared sites by a group of Mobile Network Operators (MNO) as multi-operators operating with multi-technology and ...

In this context, a cooperative BS assignment and resource allocation (CBARA) strategy is proposed in this

paper, aiming at jointly optimizing the communication and sensing (C& S) ...

This paper investigates the compliance distances (CDs) of shared sites by a group of Mobile Network Operators (MNO) as multi ...

Website: https://gaeconsultants.co.za