Long distance communication reduces base stations

Optical communications will enable new science and exploration missions by providing high data rates and better navigation over long distances. This paper will briefly describe STMD"s ...

In this paper, the coexistence between fifth generation (5G) network and fixed satellite service (FSS) is investigated. To reduce the interference between 5G base stations ...

In today"s 5G era, the energy efficiency (EE) of cellular base stations is crucial for sustainable communication. Recognizing this, Mobile Network Operators are actively prioritizing EE for ...

Our tactical HF systems deliver exceptional over-the air performance for dismount, vehicular, base station, airborne and maritime platforms to support critical multi-domain operations.

Deploying MMW base stations within sub-6 GHz coverage areas reduces transmission latency and enhances the system"s ability to ...

Deploying MMW base stations within sub-6 GHz coverage areas reduces transmission latency and enhances the system"s ability to support high-speed access and low ...

The optical ISLs have great potential in terms of communication distance, data rate, and communication security, but also have much room for improvement in many aspects as shown ...

uses two different wavelengths in adjacent covered areas and the second one uses a single wavelength. We find the optimal distance from the train track to a ground base station and the ...

We present a low-complexity machine learning-based algorithm to optimize the location of the DBSs by

minimizing the collective wireless received signal strength ...

The communication mutual interference between multiple BSs: When multiple BSs provide communication services to the UEs in the same area, the UEs will receive multiple downlink ...

In certain communication systems, single-ended signal transmission over fiber links with Erbium Doped Fiber Amplifiers (EDFA) undergoes heavy distortions due to

Our tactical HF systems deliver exceptional over-the air performance for dismount, vehicular, base station, airborne and maritime platforms to ...

Web: https://www.kalelabellium.eu