

Feb 18, 2020&nbsp;&nbsp;&nbsp;1. Background To meet the drastic increase in communication volume in next-generation mobile communication, the amplifier used for the mobile communication base ...

Jun 13, 2023&nbsp;&nbsp;This paper presents the analysis of electromagnetic radiation of mobile base stations co-located with high-voltage transmission towers. Although the layout of power poles ...

Sep 22, 2025&nbsp;&nbsp;The 5G Base Station Market is expected to reach USD 37.44 billion in 2025 and grow at a CAGR of 28.67% to reach USD 132.06 ...

Jun 2, 2023&nbsp;&nbsp;To provide communication services to post-earthquake disaster areas, Peer et al. 7 proposed a new multi-hop device-to-device (D2D) communication framework that connects ...

Mar 1, 2024&nbsp;&nbsp;A significant number of 5G base stations (gNBs) and their backup energy storage systems (BESSs) are redundantly configured, possessing surplus capac...

Dec 4, 2023&nbsp;&nbsp;Earthquake disasters can cause collapse of houses, damage to communication base stations towers and transmission lines, resulting in the disruption of communication ...

Jul 15, 2017&nbsp;&nbsp;This paper proposes a novel ventilation cooling system of communication base station (CBS), which combines with the chimney ventilation and the air conditioner cooling. ...

Jul 27, 2023&nbsp;&nbsp;Abstract This whitepaper addresses the performance criteria of base station antennas, by making recommendations on standards for electrical and mechanical ...

Dec 1, 2022&nbsp;&nbsp;Combined with the electrical safety distance limit of communication equipment and iron tower, the influence of the installation location and quantity of the base station on the ...

Jun 13, 2023&nbsp;&nbsp;This paper presents the analysis of electromagnetic radiation of mobile base stations co-located with high-voltage transmission towers. ...

Jun 2, 2023&nbsp;&nbsp;In this paper, we propose a simple logistic method based on two-parameter sets of geology and building structure for the failure prediction of the base stations in post-earthquake.

Dec 15, 2023&nbsp;&nbsp;The article 35 of the Regulations stipulates that "for the establishment of large-scale wireless radio stations (stations) and ground public mobile communication BS, their ...

Mar 17, 2025&nbsp;&nbsp;Signal coverage quality and strength distribution in complex environments pose severe challenges, leading to the inadequacy of traditional two-dimensional base station ...

Dec 14, 2023&nbsp;&nbsp;In communication base stations, inverters are crucial as they provide the required AC power for equipment operation.

Web: <https://www.mobicentric.co.za>