5g base station enters substation

Aiming at the engineering problem that 5G base station antenna is difficult to locate efficiently in complex electromagnetic environment, a two-stage positioning method of 5G base ...

Compared with the original scheme, the simulation results ensured the minimum 5G path loss in the substation and took into account the electromagnetic compatibility of the equipment in the ...

A 500kV substation is used to calculate the impact size, and the minimum distance between the antenna of the 5G base station and the switch operation device is determined.

Qi, Daokun, Xiaojuan Xi, Can Zhang, Bo Tang, and Xingfa Liu, "Electromagnetic interference from 5G base station antenna in substation on secondary equipment," 2021 IEEE 2nd ...

This paper analyzes and deduces the electric field intensity produced by 5G base stations and terminals within substations, investigates the potential interference of 5G on secondary ...

Article highlights: Considering the influence of 5G high-frequency electromagnetic wave on the electrical equipment in the substation, the positioning accuracy of 5G base station antenna in the ...

Abstract Aiming at the engineering problem that 5G base station antenna is dicult to locate eciently in complex electro- magnetic environment, a two-stage positioning method of 5G base ...

In order to reduce the electromagnetic interference caused by the introduction of the 5G base station antenna into the substation to the sensitive equipment in the station, and to optimize the 5G signal at ...

China"s power grid is progressively advancing towards smart technology. With increasing substation voltage levels, more 5G base stations are being integrated into substations. The presence of external ...

Firstly, the path loss solution model of the 5G base station antenna signal in the substation is established, and the RF radiation solution model generated by the coupling excitation of 5G high ...

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