

Research on the impact of interference in WiMAX

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Abstract: This topic aims to identify and analyze the impact of environmental interference on transmission performance in WiMAX systems. The context for selecting this topic stems from the continuous development of modern mobile technology, where WiMAX plays an important role. The objective is to study methods for reducing interference and improving quality of service. The research methodology includes theoretical analysis combined with practical validation through small-scale experiments. The expected outcome is that this topic will provide useful solutions for optimizing WiMAX performance in multi-interference transmission environments.

Keywords: WiMAX, environmental interference, performance improvement, mobile technology