

Simulation of channel quality evaluation in WIMAX

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Abstract: This topic focuses on simulating and evaluating channel quality in WIMAX systems to address signal transmission issues. The main objective is to build a theoretical and experimental model to optimize data transmission performance. Through research, we use a combination of theoretical and experimental methods to analyze factors affecting channel quality. The expected result is a significant improvement in service quality in WIMAX networks by identifying and optimizing key parameters.

Keywords: WIMAX, Simulation, Channel quality assessment, Transmission signal, Performance optimization