

Research on the application of OFDM technology in the 802.11N standard

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Abstract: This topic aims to analyze and evaluate the performance of OFDM (Orthogonal Frequency Division Multiplexing) technology in the 802.11n standard, an advanced Wi-Fi standard today. The main objective is to determine the applicability of OFDM in improving data transmission speed and reducing interference. The research method includes synthesizing relevant scientific works and conducting practical experiments on mobile network devices. Through the results, the topic is expected to make a significant contribution to improving the quality of Wi-Fi services.

Keywords: OFDM, 802.11n, Wi-Fi standard, improve transmission speed, reduce interference