

Research and simulation of a dedicated wifi system

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Abstract: This topic aims to research and develop a dedicated Wi-Fi system with the goal of optimizing data transmission performance in special environments. The context for choosing this topic is the increasing demand for wireless networks in industrial and transportation applications. By combining theoretical research and experimentation, this paper will evaluate the current performance of dedicated Wi-Fi and propose improvement methods. The expected results will contribute to the development of wireless technology and can be widely applied in many fields.

Keywords: Dedicated Wi-Fi, Network system research and development, Data transmission performance optimization