

Design and simulation of Yagi antenna and its application in WLAN networks

Nguyen Nhu Thanh

Abstract: This study aims to meet the need for improving signal transmission performance in Wireless Local Area Network (WLAN) systems by designing and simulating a Yagi antenna. Through the application of a theoretical method combined with experimentation, the project targets developing an optimal solution for the current issue of unstable signal transmission. The expected results of this research not only provide fundamental knowledge about Yagi antennas but also contribute to improving WLAN networks, enhancing service quality and coverage capability.

Keywords: Yagi antenna, WLAN network, Design and simulation