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Analysis of wireless local area networks

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Abstract:

The planning of a wireless LAN is the subject of this study (WLAN). This research aims to measure the network and find solutions to reduce power losses by measuring and analyzing parameters such as data transmission, free space loss, power output, and reception quality. There is a lot of misunderstanding about how point-to-point, as well as point-to-multipoint systems, should be implemented in a Wireless Local Network's design. The researchers have used a technique that strategically places the transmitting antenna to maximize the effectiveness of the high-frequency radio transmission. The information received just at receiving end confirms that the calculated as well as simulated values are same, proving that a set of devices such as computers were linked together by a wireless link, as shown by the results produced from this design.

Keywords:

Computers, Direct Sequence Spread Spectrum (DSSS) Design, Wireless LAN, Radio frequency signal transmitting antenna.