

Simulation design of Yagi antenna

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Abstract: This topic focuses on the design and analysis of the Yagi antenna model, a type of antenna widely used in radio transmission. The context for proposing this research is the rapid growth of mobile technology, which demands better antenna performance. The objective of the project is to develop an optimal Yagi antenna model to improve signal quality and reliability in modern radio transmission applications. The approach combines design theory with experimentation to determine the appropriate structure and dimensions for the antenna. The significance of the topic lies in its contribution to knowledge about antenna technology and the potential application of this model in upcoming mobile transmission systems.

Keywords: antennas, Yagi antenna design, wireless transmission, mobile communication, RF engineering