Design and simulation of a helical antenna resonating at 300 MHz

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Abstract: This topic focuses on the design and simulation of a helical antenna resonating at 300 MHz. To meet the demands of modern information technology development, the research aims to improve antenna performance in mobile applications and wireless signal transmission. The method combines theory and experimentation to optimize the design. Expected results will contribute to enhancing transmission quality and coverage of mobile systems, meeting the increasing demands for data speed.

Keywords: Resonant helical antenna, frequency 300 MHz, antenna simulation, antenna design, performance improvement