

Designing antennas for mobile devices using HFSS software

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Abstract: This topic aims to design and optimize antennas for mobile devices through the use of the High Frequency Structure Simulator (HFSS) software. The context of the topic is set within the increasing demand for radio transmission performance in mobile environments. The research method applies a theoretical and experimental approach, combining high-frequency electromagnetic simulation to optimize antenna design. It is expected that the completion of the topic will provide effective design solutions for mobile manufacturers, while also making a significant contribution to the field of research on antenna design and deployment in mobile telecommunications technology.

Keywords: Antenna, High Frequency Structure Simulator (HFSS), Mobile device, Electronic simulation, Optimization