

Antenna Design for Mobile Terminals

Prof. Zhijun Zhang,

Dept. of Electronic Engineering, Tsinghua University, Beijing, China

86-13693068971

zjzh@tsinghua.edu.cn

The lecturer is an antenna engineer turned professor who has worked at Apple, Nokia and Amphenol. This is a comprehensive course for fresh and intermediate engineers involved in antenna design. The course instructs attendees through all aspects of real world antenna designs, which includes how to make an stable antenna fixture, designing various types of antennas, designing an antenna with good manufacturability, using various matching technique to improve antenna performance, setting up production measurement for mass manufacturing, and making antenna SAR and HAC Compliant. Most popular antenna categories, such as internal PIFA, integral IFA, internal folded monopole, ceramic antennas, stubby antennas and whip stubby antennas, are introduced in the course. The course focuses on the basic principle of each kind of antenna and emphasizes on key parameters of antenna optimization. Complimentary matching software, which accompanies with the course, is provided so readers can practice various antenna matching technique and design matching circuits for real projects.