

Antenna Technologies for Wireless Solutions

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Abstract

Wireless telecommunication antennas are often the 'after thought' of the system design even though they play an important role in providing the initial interface between mobile/fixed users and land based telephone networks. Regardless of whether an antenna is used in a 'smart system' or not, careful antenna selection is a critical factor in maximizing system performance. In this presentation several antenna design technologies and criteria will be discussed. Some theoretical and measured antenna performances as well as design tradeoffs will also be presented.