

Applications of Smart Antennas to ATM Wireless Networks

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Abstract

Smart Antennas are important in mobile wireless networks. Smart Antennas can be used to improve spatial re-use, track mobile users, and ignore interfering signals. We discuss Smart Antennas developed for our Rapidly Deployable Radio Networks (RDRN). We show modulating multiple data streams on a single array, cylindrical arrays, and modular receiver and transmitter patch antennas.