

## RF Engineering

*RF Engineering for Wireless Networks* is written by Daniel Dobkin, Ph. D of WJ Communications. Released by Elsevier, it is a comprehensive, single-volume reference to RF (radio frequency) engineering principles that covers all common wireless networks, including WiFi, WiMAX and Bluetooth. It covers the spectrum of wireless network issues, beginning with the basics of electromagnetic theory (including necessary mathematics), and moving through signal propagation and different modulation methods. Extensive coverage is given to the principles and design of wireless hardware such as receivers, transmitters, transceivers and antennas. The essential concepts of wireless networks are described, along with their planning and implementation for both indoor and outdoor applications. Seven appendices contain such vital information as international technical and regulatory standards for wireless networks, reflection and matching in transmission lines and test and measurement tools for wireless networks. Elsevier, Science and Technology

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<http://www.wirelessdesignmag.com/news/2005/06/rf-engineering>