1. Record Nr. UNINA9910457700003321 Wireless networking [[electronic resource] /] / Praphul Chandra ... [et **Titolo** al.1 Pubbl/distr/stampa Amsterdam;; Boston,: Elsevier/Newnes, c2008 **ISBN** 1-281-03512-2 0-08-055201-3 Descrizione fisica 1 online resource (573 p.) Collana Newnes know it all series Altri autori (Persone) ChandraPraphul Disciplina 621.384 Soggetti Wireless communication systems Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover; Contents; About the Authors; Chapter 1. Basics of Wireless Communications; 1.1 Harmonic Signals and Exponentials; 1.2 Electromagnetic Waves and Multiplexing; 1.3 Modulation and Bandwidth; 1.4 Wireless Link Overview: Systems, Power, Noise, and Link Budgets; 1.5 Capsule Summary: Chapter 1; Further Reading; Chapter 2. Basics of Wireless Local Area Networks; 2.1 Networks Large and Small; 2.2 WLANs from LANs; 2.3 802.11 WLANs; 2.4 HiperLAN and HiperLAN 2; 2.5 From LANs to PANs; 2.6 Capsule Summary: Chapter 2; 2.7 Further Reading; Chapter 3. Radio Transmitters and Receivers 3.1 Overview of Radios3.2 Radio Components; 3.3 Radio System Design: 3.4 Examples of Radio Chips and Chipsets: 3.5 Summary: 3.6 Further Reading RFIC: Chapter 4. Radio Propagation: 4.1 Mechanisms of Radio Wave Propagation; 4.2 Open Field Propagation; 4.3 Diffraction; 4.4 Scattering; 4.5 Path Loss; 4.6 Multipath Phenomena; 4.7 Flat Fading; 4.8 Diversity Techniques; 4.9 Noise; 4.10 Summary; References; Chapter 5. Antennas and Transmission Lines; 5.1

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