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Sommario/riassunto

This newly revised edition of the classic Artech House book, Microwave Radio Transmission Design, provides a current, comprehensive treatment of the subject with a focus on applying practical knowledge to real-world networks. The second edition includes a wealth of important updates, including discussions on backhaul capacity limitations, ethernet over radio, details on the latest cellular radio standards (2.5G, 3G, and 4G). You also learn about recent changes in spectrum management, including the availability of unlicensed bands and new mm band frequencies between 70 and 90 GHz. Additionally, you find more details on the fundamentals of antennas, especially at VHF/UHF levels. Written in an easy-to-understand style, the author provides practical guidelines based on hands-on experience. You find valuable assistance in designing and planning SDH/SONET broadband networks, wireless local loop networks, and backhaul for mobile radio networks. Moreover, this authoritative volume covers frequency planning for radio networks, digital radio equipment characteristics, and fading in radio systems. Using practical case studies, Microwave Radio Transmission Design Guide, Second Edition gives you proven advice that helps you save time and money when developing new networks, and reduces your risk of encountering problems during design and planning.