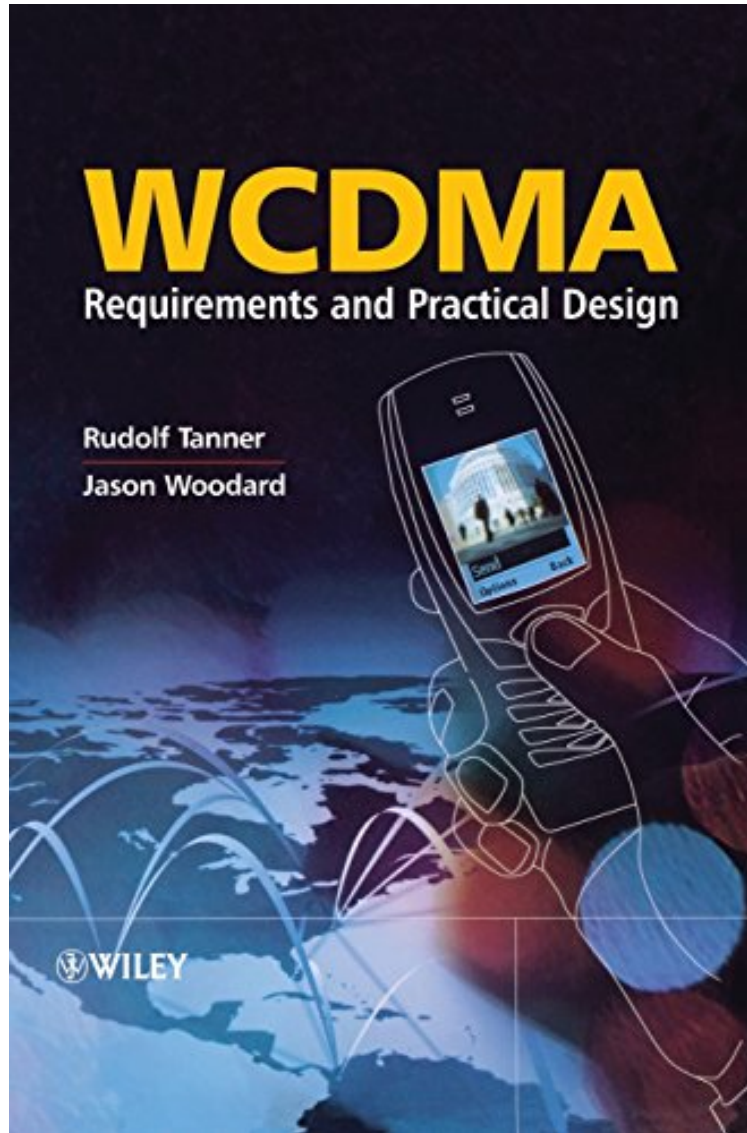


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0 of 0 people found the following review helpful. Excellent Book for understanding WCDMA By J. Shrivastav Hi, This is an Excellent book for DSP Engineers and Protocol Stack Developers for WCDMA. It gives very good understanding on WCDMA. I would also recommend another book " WCDMA Design Handbook " by Richardson. Use both of them.

WCDMA (Wideband Code Division Multiple Access), an ITU standard derived from code division multiple access (CDMA) is officially known as IMT-2000 direct spread. WCDMA is a third generation mobile wireless technology offering much higher data speeds to mobile and portable wireless devices than commonly offered in today's market. WCDMA is a relatively new technology and there is little information in the public domain about specific design issues. The proposed book will discuss UMTS/WCDMA from the perspective of a potential development engineer, who may have experience of GSM but none of WCDMA technology. The book will outline the design specifications and potential problems and solutions faced by an engineer designing a mobile device such as a handset. **WCDMA: Requirements and Practical Design:** Offers in-depth coverage of the critical issues in designing a UMTS handset modem. Discusses the practical design elements of a UMTS modem. Authored by leaders in their field, working at Ubintetics. Highly relevant to professional software engineers, Design engineers, Electrical engineers (RF base-band, DSP software, protocol software), technical managers, postgraduate students and academics.

From the Back Cover **WCDMA-Requirements and Practical Design** discusses direct sequence CDMA, a well-established technology used in both second and third generation wireless standards. The authors provide practical information on the design, development and implementation of a WCDMA modem and protocol software. Written in a methodical and highly accessible manner this book will appeal to professional communications engineers and software and hardware engineers, along with postgraduate students and academics. The book: Addresses all aspects of the development of a WCDMA (UMTS) handset from the RF chain through the physical and protocol layers to the speech codec. Combines introductions to the 3GPP FDD WCDMA standard and practical engineering aspects of the development of user equipment allowing for a better understanding of the specifications. Discusses the physical layer, including the Rake receiver and turbo decoder, and the protocol layers giving the reader a comprehensive overview of the technology involved. Provides engineers with practical tips and advice from the engineers who develop WCDMA user equipment. **WCDMA-Requirements and Practical Design** is an invaluable and practical reference, written by engineers developing third generation wireless technology. Its explanation of the specifications and potential problems with solutions will be extremely useful for those designing a 3G mobile wireless device. **About the Author** Men and women in mid- and high-level leadership positions across sectors, executive coaches, consultants, IWL partner organizations, students and professors of leadership.