Transceiver and System Design for Digital Communications, 2nd edition

Scott R. Bullock
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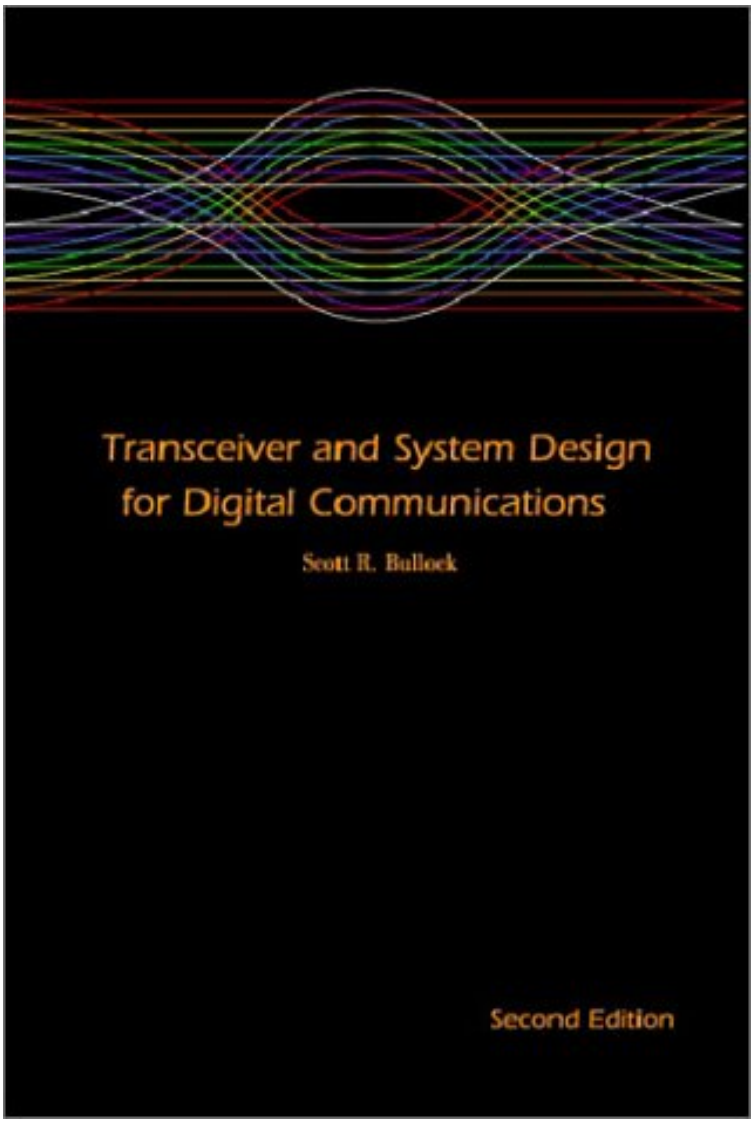

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Scott R. Bullock : Transceiver and System Design for Digital Communications, 2nd edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Transceiver and System Design for Digital Communications, 2nd edition:

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Now in a 3rd edition, this successful book provides an intuitive approach to transceiver design, allowing a broad spectrum of readers to understand the topics clearly. It covers a wide range of data link communication design techniques, including link budgets, dynamic range and system analysis of receivers and transmitters used in data link communications, digital modulation and demodulation techniques of phase-shift keyed and frequency hopped spread spectrum systems using phase diagrams, multipath, gain control, an intuitive approach to probability, jamming reduction method using various adaptive processes, global positioning systems (GPS) data link, and direction-finding and interferometers, plus a section on broadband communications and home networking. Various techniques and designs are evaluated for modulating and sending digital data. Thus readers gain a firm understanding of the processes needed to effectively design wireless data link communication systems.

From the AuthorThis book was written for those who want a good understanding of how to design a spread spectrum transceiver as well as a good intuitive and practical approach. This text will provide a valuable resource for anyone involved in transceiver design for digital communications, but includes also a basic understanding of spread spectrum in general and many of the aspects of the actual design. Although this text is geared more towards basic direct sequence analysis, many of the principles can be applied to other forms of spread spectrum or digital communications.