Wireless Communications from the Ground Up: Fundamentals of Digital Communication Systems (Paperback)

By Qasim Chaudhari

Createspace Independent Publishing Platform, United States, 2016. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The book starts with a completely fresh perspective on introduction to signals and continues to dealing with complex numbers without any complicated mathematics. The only skills you require are addition, multiplication and knowing what cos and sin are! The topics of discrete domains - both time and frequency - are explained in an intuitive manner such that traveling between the two through Discrete Fourier Transform (DFT) becomes quite natural. Furthermore, the concepts needed to implement modern digital communication systems such as convolution, filters and multirate signal processing are illustrated through the help of beautiful figures. Next, the book demystifies modulation and demodulation in a way easy to grasp even for a non-technical reader. Matched filtering is clarified in time, frequency and mathematical details in a story-like development. In addition, the topic of pulse shaping filter is covered in a depth and from angles never described anywhere before. The book continues with stethoscopes of a communication system, namely eye diagrams and scatter plots and towards the error rates of various modulation schemes along with the energy scaling factors of respective blocks....

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Reviews

This publication is definitely worth buying. It can be loaded with wisdom and knowledge I am easily could possibly get a satisfaction of looking at a composed publication.
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Very helpful to all type of individuals. It really is rally interesting throgh looking at time. Its been designed in an extremely basic way which is just soon after i finished reading this pdf through which basically modified me, change the way i believe.
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