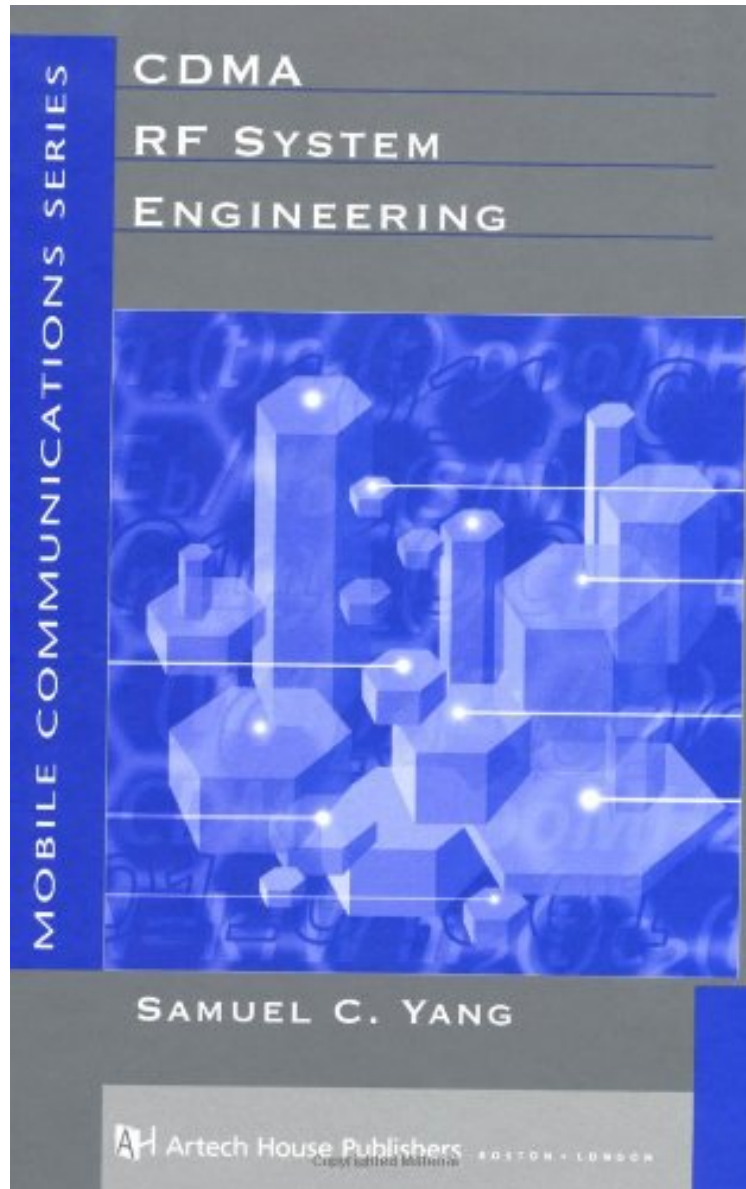


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## CDMA RF System Engineering (Artech House Mobile Communications)

*Samuel c. Yang*

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**Samuel c. Yang : CDMA RF System Engineering (Artech House Mobile Communications)** before purchasing it in order to gage whether or not it would be worth my time, and all praised CDMA RF System Engineering (Artech House Mobile Communications):

0 of 0 people found the following review helpful. Excellent concise book on CDMA and the IS-95 StandardBy Adam RachlinThe author does an excellent job of presenting the the complicated topic of CDMA principles in a very concise book. After reading this text, I had an excellent background in the subject matter, and was able to apply it to current work topics. It is an excellent tutorial and reference on the subject matter.14 of 14 people found the following review helpful. Complete, accurate, and to-the-point treatmentBy A CustomerSamuel Yang's "CDMA RF System Engineering" is a small but complete, accurate, and to-the-point treatment of the IS-95 version of CDMA. It is the best introductory text on the RF system engineering aspects of CDMA networks I have seen. After a quick but comprehensive review of the CDMA processes, radio propagation models, and sundry fundamentals of digital radio techniques; the author turns to the important details of the IS-95 protocol that must be understood in order to consider the RF engineering matters that take up the last third of the book. These system details include: QPSK and OQPSK, power control, handoffs, link structures, access techniques, and call processing. With the system aspects thus covered in an intuitive but rigorous way, the author gets right to the point as he considers the difficulties of RF system engineering: system design, PN management, noise management, and a thorough treatment of general network management techniques. The book is an excellent introduction to the broad subject of CDMA RF engineering for those new to the field.8 of 8 people found the following review helpful. Excellent Source of InformationBy A CustomerMy only complaint is that I wish I had found this text earlier. Written quite clearly, with excellent explanations, even to a mathematically challenged engineer like myself. I found the chapters on design and performance engineering particularly useful and well written.

Drawing upon his experience in building the first major CDMA network in North America, Samuel Yang explains the essentials of CDMA wireless technology, helping the reader acquire the knowledge needed to engineer and implement an IS-95 based CDMA system.

About the AuthorSamuel C. Yang is currently a manager of the System Engineering group at AirTouch Cellular, where he played a key role in the design and commercialization of the first large-scale CDMA system in North America. He holds an undergraduate degree from Cornell University and two graduate degrees from Stanford University, all in electrical engineering.