

RF / Microwave Circuit Design for Wireless Applications

By Ulrich L. Rohde, Matthias Rudolph

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Provides researchers and engineers with a complete set of modeling, design, and implementation tools for tackling the newest IC technologies

Revised and completely updated, *RF/Microwave Circuit Design for Wireless Applications, Second Edition* is a unique, state-of-the-art guide to wireless integrated circuit design that provides researchers and engineers with a complete set of modeling, design, and implementation tools for tackling even the newest IC technologies. It emphasizes practical design solutions for high-performance devices and circuitry, incorporating ample examples of novel and clever circuits from high-profile companies.

Complete with excellent appendices containing working models and CAD-based applications, this powerful one-stop resource:

- Covers the entire area of circuit design for wireless applications
- Discusses the complete system for which circuits are designed as well as the device technologies on which the devices and circuits are based
- Presents theory as well as practical issues
- Introduces wireless systems and modulation types
- Takes a systematic approach that differentiates between designing for battery-operated devices and base-station design

RF/Microwave Circuit Design for Wireless Applications, Second Edition is an indispensable tool for circuit designers; engineers who design wireless communications systems; and researchers in semiconductor technologies, telecommunications, and wireless transmission systems.

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Editorial Review

Review
"...recommended for...libraries with collections in electrical and electronic engineering." (E-Streams, Vol. 4, No. 11, November 2001)

From the Back Cover
A unique, state-of-the-art guide to wireless integrated circuit design.

With wireless technology rapidly exploding, there is a growing need for circuit design information specific to wireless applications. Presenting a single-source guidebook to this dynamic area, industry expert Ulrich Rohde and writer David Newkirk provide researchers and engineers with a complete set of modeling, design, and implementation tools for tackling even the newest IC technologies. They emphasize practical design solutions for high-performance devices and circuitry, incorporating ample examples of novel and clever circuits from high-profile companies. They also provide excellent appendices containing working models and CAD-based applications.

RF/Microwave Circuit Design for Wireless Applications offers:
* Introduction to wireless systems and modulation types
* A systematic approach that differentiates between designing for battery-operated devices and base-station design
* A comprehensive introduction to semiconductor technologies, from bipolar transistors to CMOS to GaAs MESFETs
* Clear guidelines for obtaining the best performance in discrete and integrated amplifier design
* Detailed analysis of available mixer circuits applicable to the wireless frequency range
* In-depth explanations of oscillator circuits, including microwave oscillators and ceramic-resonator-based oscillators
* A thorough evaluation of all components of wireless synthesizers

About the Author

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The reason why? Because this RF / Microwave Circuit Design for Wireless Applications is an unordinary book that the inside of the book waiting for you to snap the idea but latter it will surprise you with the secret the idea inside. Reading this book adjacent to it was fantastic author who have write the book in such remarkable way makes the content on the inside easier to understand, entertaining method but still convey the meaning thoroughly. So , it is good for you because of not hesitating having this any more or you going to regret it. This excellent book will give you a lot of positive aspects than the other book get such as help improving your ability and your critical thinking technique. So , still want to hesitate having that book? If I have been you I will go to the guide store hurriedly.

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