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Fundamentals of
RF Circuit Design
with **Low Noise Oscillators**

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The art of RF circuit design made simple...

Radio Frequency circuits are the fundamental building blocks in a vast array of consumer electronics and wireless communication devices. Jeremy Everard's unique combination of theory and practice provides insight into the principles of operation, together with invaluable guidance to developing robust and long-lasting circuit designs.

Features include:

- Simplified approach to RF circuit theory and device modelling using algebraic approximations to illustrate the important underlying principles.
- A comprehensive design guide to low noise oscillators backed by a full theoretical treatment, based on the author's latest research, and including extensive design examples.
- The key concepts of broad and narrow band small signal amplifiers, mixers, and high-efficiency broadband power amplifier design.
- How to develop large signal circuit models with simulation and tuning in real time.
- Charts of performance parameters for RF chip components.

Advanced undergraduate and postgraduate students in RF and microwave circuit design will benefit from the practical and highly illustrative approach. Design and research engineers and industrial technical managers, will appreciate the basic and detailed theory, analysis, design and operation of RF and microwave circuits.

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