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Includes index. ISBN 0-471-35052-4 1. Radio circuits—Design and construction. I. Agarwal, Krishna K. (Krishna Kumar) II. Title. III. Series. TK6560 .D38 2001 621.381'32 —dc21 00-043690 Printed in the United States ...

Radio Frequency Circuit Design

Radio-frequency (RF) engineering is a subset of electronic engineering involving the application of transmission line, waveguide, antenna and electromagnetic field principles to the design and application of devices that produce or utilize signals within the radio band, the frequency range of about 20 kHz up

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to 300 GHz.. It is incorporated into almost everything that transmits or receives a ...

Radio-frequency engineering - Wikipedia

Scattering Parameters in RF and Microwave Circuit Analysis and Design Book Description : Based on the popular Artech House title Microwave Network Design Using the Scattering Matrix, this authoritative resource provides comprehensive coverage of the wave approach to microwave network characterization, analysis, and design using scattering parameters.

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Microwave Circuit Design

RF Circuit Design: Theory and Applications.
Reinhold Ludwig, Gene Bogdanov. Pearson
Education, 2009 - Radio circuits - 704 pages.
0 Reviews. Oscillator 573 10.3 Basic
Characteristics of Mixers 574 10.3.1 Basic

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routines to carry out simple transmission line computations and allow the graphical display of the resulting impedance behaviors to be part of the Smith Chart.

RF Circuit Design: Theory and Applications by Reinhold Ludwig

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9780131471375: RF Circuit Design: Theory & Applications ...

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Introduction - RF Concepts that Affect the Design Space. The fundamental RF design concept is impedance matching [1]. When proper impedance is not maintained, forward power will be reflected, causing poor performance of the RF circuit. As in DC circuits, maximum power transfer is achieved by having the load resistance match the source resistance.

ESD Design for RF Mobile Applications - In Compliance Magazine

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