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Davis, Krishna Agarwal. p. cm.—(Wiley series in microwave and optical engineering) 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 ...

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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

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utilize signals within the radio band, the frequency range of about 20 kHz up to 300 GHz.. It is incorporated into almost everything that transmits or receives a ...

Radio-frequency engineering - Wikipedia

Scattering Parameters in RF and

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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.

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Applications Matlab Solutions
book provides Matlab 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
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RF Circuit Design: Theory and
Application analysis of ordinary low-
frequency circuits and components when
the elevated operating frequency to the
radio frequency band (usually refers to 30
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Introduction – RF Concepts that Affect the Design Space. The fundamental RF design concept is impedance matching [1]. When

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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

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1 Review. This straightforward volume takes a distributed, transmission line approach to RF circuit design, with a focus on methodology fundamentals and minimal discussion of theoretical concepts....

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