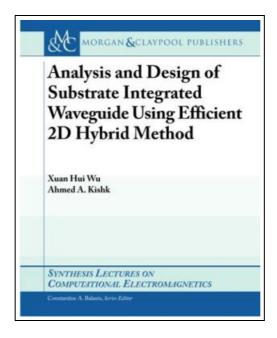
# Analysis and Design of Substrate Integrated Waveguide Using Efficient 2D Hybrid Method (Paperback)



Filesize: 2.96 MB

### Reviews

Definitely among the finest book We have at any time read. Better then never, though i am quite late in start reading this one. Your lifestyle period will likely be transform once you total reading this article book.

(Florence Batz IV)

## ANALYSIS AND DESIGN OF SUBSTRATE INTEGRATED WAVEGUIDE USING EFFICIENT 2D HYBRID METHOD (PAPERBACK)



Morgan Claypool Publishers, United States, 2010. Paperback. Condition: New. Language: English . Brand New Book. Substrate integrated waveguide (SIW) is a new type of transmission line. It implements a waveguide on a piece of printed circuit board by emulating the side walls of the waveguide using two rows of metal posts. It inherits the merits both from the microstrip for compact size and easy integration, and from the waveguide for low radiation loss, and thus opens another door to design efficient microwave circuits and antennas at a low cost. This book presents a two-dimensional fullwave analysis method to investigate an SIW circuit composed of metal and dielectric posts. It combines the cylindrical eigenfunction expansion and the method of moments to avoid geometrical descritization of the posts. The method is presented step-by-step, with all the necessary formulations provided for a practitioner who wants to implement this method by himself. This book covers the SIW circuit printed on either homogeneous or inhomogeneous substrate, the microstrip-to-SIW transition and the speed-up technique for the simulation of symmetrical SIW circuits. Different types of SIW circuits are shown and simulated using the proposed method. In addition, several slot antennas and horn antennas fabricated using the SIW technology are also given.

Read Analysis and Design of Substrate Integrated Waveguide Using Efficient 2D Hybrid Method (Paperback) Online
Download PDF Analysis and Design of Substrate Integrated Waveguide Using Efficient 2D Hybrid Method
(Paperback)

### See Also



Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Read ePub »



Children's Educational Book Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Read ePub »



#### Welcome to Bordertown: New Stories and Poems of the Borderlands

BRILLIANCE AUDIO, United States, 2015. CD-Audio. Book Condition: New. Unabridged. 170 x 135 mm. Language: English. Brand New. Audie Award Finalist: Best Short Story Collection Bordertown: a city on the Border between the human...

Read ePub »



The Pursued: Is That Drum Beats? Lamar Stein Heard Beats Warning of an Evil Set Loose on Piedmont! This Is the Root Hard or Die Story of the Life and Times of My Father and Mother. My Sister and Me, Bystanders on Appalachian Mountains Hillsides. (Paperbac

 $Create space, United States, 2014. \ Paperback. \ Book \ Condition: New. \ 229 \ x \ 152 \ mm. \ Language: English \ . \ Brand \ New \ Book \ ****** Print on Demand \ ******. Euphoria broke out in the hitching alley by the time my father reached...$ 

Read ePub »



Everything Ser The Everything Green Baby Book From Pregnancy to Babys First Year An Easy and Affordable Guide to Help Moms Care for Their Baby And for the Earth by Jenn Savedge 2009 Paperback

Book Condition: Brand New. Book Condition: Brand New.

Read ePub »