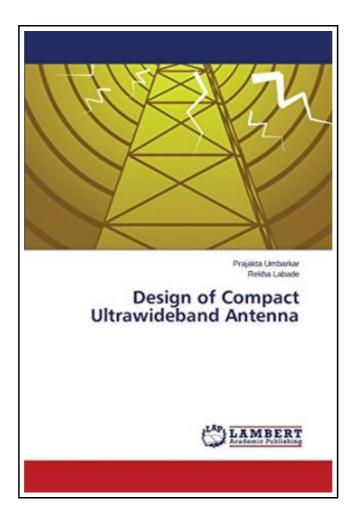
## Design of Compact Ultrawideband Antenna



Filesize: 5 MB

### **Reviews**

Unquestionably, this is the best operate by any author. It is among the most amazing pdf i actually have read. Its been designed in an remarkably basic way which is just right after i finished reading this pdf by which basically altered me, change the way i believe.

(Harold Spencer)

### DESIGN OF COMPACT ULTRAWIDEBAND ANTENNA



LAP Lambert Academic Publishing Mrz 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x6 mm. Neuware - The Ultra-Wideband (UWB) technology is based on the new concepts of a very short pulse signals. This technology is a good candidate for the next generation (4G) networks, but it requires a new approach to antenna design in order to achieve UWB characteristics. This work analyzes the design of Microstrip line feed rectangular-cut ultrawideband (UWB) antenna and presents UWB antenna simulations in transient mode used to verify antenna parameters improvements. The antenna has been designed on a FR4 substrate with dielectric constant r = 4.4, loss tangent (tan )=0.02 The antenna has been optimized to exhibit UWB characteristics from frequency range 3.1GHz-12GHz. The radiation pattern of this antenna is nearly omni-directional in H-plane and bidirectional in E-plane. The effect of various design parameters on design have also been analyzed using CAD Feko 6.1 simulator using MoM. The simulated results are in good agreement with FCC standards showing VSWR 2 throughout the band 3.1GHz to 12GHz. This antenna can be easily integrated with microwave circuitry and useful for UWB applications. 92 pp. Englisch.



Read Design of Compact Ultrawideband Antenna Online
Download PDF Design of Compact Ultrawideband Antenna

### **Related PDFs**



# A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. The ultimate learn-by-doing approach Written for beginners, useful for experienced developers who want to...

Save Document »



### Very Short Stories for Children: A Child's Book of Stories for Kids

Paperback. Book Condition: New. This item is printed on demand. Item doesn't include CD/DVD.

Save Document »



#### Nelson Mandela: A Very Short Introduction

Oxford University Press. Paperback. Book Condition: new. BRAND NEW, Nelson Mandela: A Very Short Introduction, Elleke Boehmer, As well as being a remarkable statesman and one of the world's longest-detained political prisoners, Nelson Mandela has...

Save Document »



Dog on It! - Everything You Need to Know about Life Is Right There at Your Feet 14 Hands Press, United States, 2013. Paperback. Book Condition: New. 198 x 132 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Have you ever told a little white lie? Or maybe a...

Save Document »



## 10 Most Interesting Stories for Children: New Collection of Moral Stories with

Paperback. Book Condition: New. This item is printed on demand. Item doesn't include CD/DVD.

Save Document »