



DOWNLOAD



Design a 1.3 GHz Microstrip Patch Antenna for a PAL TV signal

By Giannakopoulos, Georgios

Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | A guidance on how to design a Microstrip Patch Antenna (2D) using Ansoft Designer | This book is concerned with the design, construction and testing of a 1.3GHz microstrip rectangular patch antenna. The patch antenna incorporated a feed-line on the PCB board. The first part of the design of the antenna involved the computation of the dimensions of the patch to achieve a fundamental frequency of 1.3GHz. The accuracy of the computed dimensions was confirmed on an Ansoft Designer simulation package by examining the return loss of the antenna at the resonant frequencies. The second part of the design of the antenna involved the computation of the performance of the antenna. A number of parameters were evaluated which included electric field, E and H planes, radiation pattern, radiation, conductance, directivity and efficiency. The use of approximate formulas, the MAPLE computer algebra package and the MATLAB package were used to evaluate the formulas for predicting the antenna parameters. Computations of the various performance parameters were confirmed on the Ansoft Designer simulator. The microstrip rectangular patch antenna was constructed in the laboratory and tested on a Network Analyzer. The responses showed good agreement...



READ ONLINE
[4.22 MB]

Reviews

Complete guideline! Its this type of great read through. it absolutely was writtern quite perfectly and helpful. I am very happy to explain how this is basically the best book i actually have read through during my personal life and can be he very best book for at any time.

-- **Joshua Gerhold PhD**

A very awesome book with perfect and lucid reasons. It really is basic but shocks within the 50 percent of the book. Its been designed in an exceptionally easy way and is particularly merely right after i finished reading this ebook where in fact changed me, change the way i think.

-- **Meagan Roob**

Related eBooks



Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)

Createspace, United States, 2015. Paperback. Book Condition: New. Apoorva Dingar (illustrator). Large Print. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand *****.Klara is a little different from the other cows, because she has a very special...



Book Finds: How to Find, Buy, and Sell Used and Rare Books (Revised)

Perigee. PAPERBACK. Book Condition: New. 0399526544 Never Read-12+ year old Paperback book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!! * I...



Read Write Inc. Phonics: Blue Set 6 Non-Fiction 2 How to Make a Peach Treat

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 205 x 74 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books is carefully levelled to match childrens growing...



No Friends?: How to Make Friends Fast and Keep Them

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Do You Have NO Friends ? Are you tired of not having any friend and being lonely all the time...



Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

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



Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

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