

## Design and Implementation of Rectangular Patch Antenna for Tri-Band operation



Filesize: 1006.2 KB

### ***Reviews***

*This is actually the finest pdf i have got study right up until now. It can be full of wisdom and knowledge Once you begin to read the book, it is extremely difficult to leave it before concluding.*  
**(Reese Morissette II)**

## DESIGN AND IMPLEMENTATION OF RECTANGULAR PATCH ANTENNA FOR TRI-BAND OPERATION



To get **Design and Implementation of Rectangular Patch Antenna for Tri-Band operation** PDF, make sure you refer to the button listed below and download the ebook or have access to additional information which might be relevant to DESIGN AND IMPLEMENTATION OF RECTANGULAR PATCH ANTENNA FOR TRI-BAND OPERATION book.

GRIN Verlag GmbH Apr 2015, 2015. Taschenbuch. Book Condition: Neu. 208x146x10 mm. Neuware - Master's Thesis from the year 2013 in the subject Electrotechnology, grade: First Class, , course: Master Of Engineering, language: English, comment: These antennas can be designed in a variety of shapes in order to obtain enhanced gain and bandwidth for dual band and tri-band operation. This book focus on a detailed study of how to design and simulate a microstrip fed rectangular patch antenna using IE3D software with effect of antenna dimensions length ( L ), width ( W ), relative dielectric constant , substrate thickness ( t ) on the radiation parameters of bandwidth and gain. The design parameters of the antenna calculated using the transmission line model. , abstract: In today's modern communication industry, antennas are the most important components required to create a communication link. Microstrip antennas are the most suited for aerospace and mobile applications because of their low profile, light weight and low power handling capacity. These antennas can be designed in a variety of shapes in order to obtain enhanced gain and bandwidth for dual band and tri-band operation. This book focus on a detailed study of how to design and simulate a microstrip fed rectangular patch antenna using IE3D software with effect of antenna dimensions length ( L ), width ( W ), relative dielectric constant , substrate thickness ( t ) on the radiation parameters of bandwidth and gain. The design parameters of the antenna calculated using the transmission line model. Here antenna operates for tri- band operation, the operating bands are GSM , PCA and UTMS for antenna geometry -I and WLAN and WiMAX for antenna geometry -II. The fractional bandwidths (FB) after simulation obtain under criterion ( S<sub>-11</sub> -10 dB) are 6.45% for GSM [890-960 MHz], 4.25% for...



[Read Design and Implementation of Rectangular Patch Antenna for Tri-Band operation Online](#)



[Download PDF Design and Implementation of Rectangular Patch Antenna for Tri-Band operation](#)



[Download ePub Design and Implementation of Rectangular Patch Antenna for Tri-Band operation](#)

## See Also



[PDF] **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]**

Access the web link beneath to download and read "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]" file.

[Download Book »](#)



[PDF] **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]**

Access the web link beneath to download and read "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]" file.

[Download Book »](#)



[PDF] **Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War**

Access the web link beneath to download and read "Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War" file.

[Download Book »](#)



[PDF] **You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most**

Access the web link beneath to download and read "You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most" file.

[Download Book »](#)



[PDF] **Serenade for Winds, Op. 44 / B. 77: Study Score**

Access the web link beneath to download and read "Serenade for Winds, Op. 44 / B. 77: Study Score" file.

[Download Book »](#)



[PDF] **Hussite Overture, Op. 67 / B. 132: Study Score**

Access the web link beneath to download and read "Hussite Overture, Op. 67 / B. 132: Study Score" file.

[Download Book »](#)



**[PDF] Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products**  
Click the hyperlink below to get "Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products" file.  
[Read ePub »](#)



**[PDF] Piano Concerto, Op.33 / B.63: Study Score**  
Click the hyperlink below to get "Piano Concerto, Op.33 / B.63: Study Score" file.  
[Read ePub »](#)



**[PDF] A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)**  
Click the hyperlink below to get "A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)" file.  
[Read ePub »](#)



**[PDF] Three Simple Rules for Christian Living: Study Book**  
Click the hyperlink below to get "Three Simple Rules for Christian Living: Study Book" file.  
[Read ePub »](#)



**[PDF] RCadvisor s Modify: Design and Build From Scratch Your Own Modern Flying Model Airplane In One Day for Just**  
Click the hyperlink below to get "RCadvisor s Modify: Design and Build From Scratch Your Own Modern Flying Model Airplane In One Day for Just" file.  
[Read ePub »](#)



**[PDF] Symphonic Variations, Op. 78 / B. 70: Study Score**  
Click the hyperlink below to get "Symphonic Variations, Op. 78 / B. 70: Study Score" file.  
[Read ePub »](#)