

Automotive Antenna Design and Applications

By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb



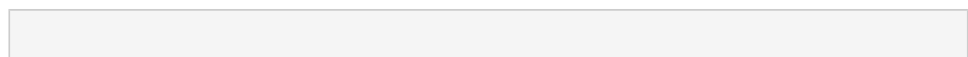
Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb

The steady evolution of wireless communication technologies continues to pave the way for the implementation of innovative services and devices in modern vehicles. These include analog and digital audio broadcasting radio, satellite radio, GPS, cell phones, and short range communication devices. Such applications require the use multiple antennas operating in different frequency ranges.

Automotive Antenna Design and Applications thoroughly examines traditional and new advanced automotive antennas, including the principles, designs, and techniques used to reduce antenna dimensions without significant degradation of communication quality. The contents of this book are based on cutting-edge data collected from numerous technical papers, patents, and patent applications. It presents an overview of many commercially available automotive antennas and covers features that have become standard in automotive applications, such as printed-on car glass antennas, reduced-size helical antennas, multiband compact, printed-on dielectric and patch designs in a single package.

Includes simulation examples of antenna parameters that significantly speed up the design process using software packages such as FEKO, NEC, IE3D, and Genesys

Highlighting the practical aspects of antenna design, the authors present passive and active designs and describe the entire design process, including antenna simulation, prototype sample fabrication, and laboratory test measurements. The book also covers the production adjustments that can result from the demands of the real car environment. The presentation of numerous examples of passive and active automotive antennas greatly enhances this reference's value to professionals, students, and anyone else working in the ever-evolving field of antenna design and application.



 [Download Automotive Antenna Design and Applications ...pdf](#)

 [Read Online Automotive Antenna Design and Applications ...pdf](#)

Automotive Antenna Design and Applications

By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb

Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb

The steady evolution of wireless communication technologies continues to pave the way for the implementation of innovative services and devices in modern vehicles. These include analog and digital audio broadcasting radio, satellite radio, GPS, cell phones, and short range communication devices. Such applications require the use multiple antennas operating in different frequency ranges.

Automotive Antenna Design and Applications thoroughly examines traditional and new advanced automotive antennas, including the principles, designs, and techniques used to reduce antenna dimensions without significant degradation of communication quality. The contents of this book are based on cutting-edge data collected from numerous technical papers, patents, and patent applications. It presents an overview of many commercially available automotive antennas and covers features that have become standard in automotive applications, such as printed-on car glass antennas, reduced-size helical antennas, multiband compact, printed-on dielectric and patch designs in a single package.

Includes simulation examples of antenna parameters that significantly speed up the design process using software packages such as FEKO, NEC, IE3D, and Genesys

Highlighting the practical aspects of antenna design, the authors present passive and active designs and describe the entire design process, including antenna simulation, prototype sample fabrication, and laboratory test measurements. The book also covers the production adjustments that can result from the demands of the real car environment. The presentation of numerous examples of passive and active automotive antennas greatly enhances this reference's value to professionals, students, and anyone else working in the ever-evolving field of antenna design and application.

Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb Bibliography

- Sales Rank: #3247984 in Books
- Published on: 2010-03-18
- Original language: English
- Number of items: 1
- Dimensions: 9.30" h x .80" w x 6.20" l, 1.30 pounds
- Binding: Hardcover
- 330 pages

 [Download Automotive Antenna Design and Applications ...pdf](#)

 [Read Online Automotive Antenna Design and Applications ...pdf](#)

Editorial Review

About the Author
Tenatronics, Canada

Users Review

From reader reviews:

Viola Hassell:

Have you spare time for just a day? What do you do when you have more or little spare time? Yep, you can choose the suitable activity to get spend your time. Any person spent all their spare time to take a stroll, shopping, or went to often the Mall. How about open or maybe read a book called Automotive Antenna Design and Applications? Maybe it is being best activity for you. You recognize beside you can spend your time along with your favorite's book, you can more intelligent than before. Do you agree with it is opinion or you have different opinion?

Bethany Hall:

Book is to be different per grade. Book for children till adult are different content. As you may know that book is very important for people. The book Automotive Antenna Design and Applications was making you to know about other knowledge and of course you can take more information. It is quite advantages for you. The reserve Automotive Antenna Design and Applications is not only giving you a lot more new information but also for being your friend when you experience bored. You can spend your personal spend time to read your guide. Try to make relationship with all the book Automotive Antenna Design and Applications. You never truly feel lose out for everything in case you read some books.

Tom Carter:

The event that you get from Automotive Antenna Design and Applications is the more deep you searching the information that hide inside words the more you get considering reading it. It doesn't mean that this book is hard to comprehend but Automotive Antenna Design and Applications giving you joy feeling of reading. The copy writer conveys their point in certain way that can be understood by means of anyone who read the item because the author of this reserve is well-known enough. That book also makes your vocabulary increase well. Therefore it is easy to understand then can go with you, both in printed or e-book style are available. We recommend you for having this particular Automotive Antenna Design and Applications instantly.

Thomas White:

You could spend your free time to learn this book this book. This Automotive Antenna Design and Applications is simple to create you can read it in the area, in the beach, train and soon. If you did not have much space to bring typically the printed book, you can buy often the e-book. It is make you easier to read it. You can save often the book in your smart phone. Consequently there are a lot of benefits that you will get when you buy this book.

Download and Read Online Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb #Y2VQUGWEITN

Read Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb for online ebook

Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb books to read online.

Online Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb ebook PDF download

Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb Doc

Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb Mobipocket

Automotive Antenna Design and Applications By Victor Rabinovich, Nikolai Alexandrov, Basim Alkhateeb EPub