

Practical Antenna Handbook 5/e

By Joseph Carr, George Hippisley

Download now

Read Online

Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley

THE DEFINITIVE ANTENNA REFERENCE--FULLY REVISED AND EXPANDED!

Design and build your own antennas with the help of this unique guide. Updated and revised to provide clear answers to questions frequently asked by hobbyists and electronics technicians, *Practical Antenna Handbook*, Fifth Edition blends theoretical concepts with hands-on experience--requiring only high school mathematics

Reorganized to flow logically from broad physical principles to specific antenna design and construction techniques, the book begins by covering the fundamentals. Then the half-wave dipole is discussed both as an excellent antenna in its own right and as a conceptual tool for predicting the performance of other designs. Transmission line impedance matching techniques--and a companion Smith chart tutorial--lead into "must have" accessories for tuning, monitoring, and troubleshooting antenna system performance. Other tools, such as antenna modeling software and network analyzer add-ons for PCs and Macs, are addressed, and concluding chapters offer fresh insights into support structures and installation techniques.

NEW TOPICS COVERED INCLUDE:

- Characteristics of all-driven and parasitic arrays
- Beverages and small MF/HF receiving loops
- Top-loaded shunt-fed towers and other verticals
- Theory and design of Yagi beams
- Effect of real ground on propagation and antenna patterns, impedance, and efficiency
- Lightning protection and four kinds of ground systems
- Zoning and restrictive covenants

COVERS A WIDE VARIETY OF ANTENNAS:

- Dipoles and inverted-Vs
- Quads, delta, and NVIS loops

- Wire arrays (bobtail curtain, half-square, rhombic)
- Verticals and shunt-fed towers
- Rotatable Yagi beams
- MF/HF receiving antennas (flag, pennant, K9AY, Beverage)
- Mobile and portable antennas
- VHF/UHF/microwave antennas
- And many more

GO TO WWW.MHPROFESSIONAL.COM/CARR5 FOR:

* Tables of worldwide geographic coordinates and antenna dimensions vs. frequency * Supplier updates * Author's blog * Additional photographs and schematics * Links to tutorials and specialized calculators

Download Practical Antenna Handbook 5/e ...pdf

Read Online Practical Antenna Handbook 5/e ...pdf

Practical Antenna Handbook 5/e

By Joseph Carr, George Hippisley

Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley

THE DEFINITIVE ANTENNA REFERENCE--FULLY REVISED AND EXPANDED!

Design and build your own antennas with the help of this unique guide. Updated and revised to provide clear answers to questions frequently asked by hobbyists and electronics technicians, *Practical Antenna Handbook*, Fifth Edition blends theoretical concepts with hands-on experience--requiring only high school mathematics

Reorganized to flow logically from broad physical principles to specific antenna design and construction techniques, the book begins by covering the fundamentals. Then the half-wave dipole is discussed both as an excellent antenna in its own right and as a conceptual tool for predicting the performance of other designs. Transmission line impedance matching techniques--and a companion Smith chart tutorial--lead into "must have" accessories for tuning, monitoring, and troubleshooting antenna system performance. Other tools, such as antenna modeling software and network analyzer add-ons for PCs and Macs, are addressed, and concluding chapters offer fresh insights into support structures and installation techniques.

NEW TOPICS COVERED INCLUDE:

- Characteristics of all-driven and parasitic arrays
- Beverages and small MF/HF receiving loops
- Top-loaded shunt-fed towers and other verticals
- Theory and design of Yagi beams
- Effect of real ground on propagation and antenna patterns, impedance, and efficiency
- Lightning protection and four kinds of ground systems
- Zoning and restrictive covenants

COVERS A WIDE VARIETY OF ANTENNAS:

- Dipoles and inverted-Vs
- Quads, delta, and NVIS loops
- Wire arrays (bobtail curtain, half-square, rhombic)
- Verticals and shunt-fed towers
- Rotatable Yagi beams
- MF/HF receiving antennas (flag, pennant, K9AY, Beverage)
- Mobile and portable antennas
- VHF/UHF/microwave antennas
- And many more

GO TO WWW.MHPROFESSIONAL.COM/CARR5 FOR:

* Tables of worldwide geographic coordinates and antenna dimensions vs. frequency * Supplier updates * Author's blog * Additional photographs and schematics * Links to tutorials and specialized calculators

Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley Bibliography

- Sales Rank: #267693 in eBooks
- Published on: 2011-10-31
- Released on: 2011-10-31
- Format: Kindle eBook
- Number of items: 1

Download Practical Antenna Handbook 5/e ...pdf

Read Online Practical Antenna Handbook 5/e ...pdf

Download and Read Free Online Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley

Editorial Review

About the Author

Joseph Carr was a military electronics technician and the author of several popular electronics books, including McGraw-Hill's *Secrets of RF Design*, Third Edition and *Old Time Radios! Restoration and Repair*. He wrote a monthly column for *Nuts & Volts* magazine.

George W. (Bud) Hippisley, W2RU, earned his BSEE degree from MIT, and was formerly chief operating officer for a major supplier of electronics to the cable TV industry. A long-time active amateur radio operator who has won or ranked nationally in many competitive on-the-air operating events, he has given talks on the basics of antennas and ionospheric propagation to radio clubs and other groups for more than 35 years.

Users Review

From reader reviews:

Marie Heidelberg:

This Practical Antenna Handbook 5/e book is not really ordinary book, you have it then the world is in your hands. The benefit you get by reading this book is usually information inside this e-book incredible fresh, you will get facts which is getting deeper an individual read a lot of information you will get. This particular Practical Antenna Handbook 5/e without we realize teach the one who reading it become critical in thinking and analyzing. Don't always be worry Practical Antenna Handbook 5/e can bring any time you are and not make your carrier space or bookshelves' grow to be full because you can have it within your lovely laptop even cellphone. This Practical Antenna Handbook 5/e having great arrangement in word in addition to layout, so you will not feel uninterested in reading.

Helen Albertson:

Do you certainly one of people who can't read satisfying if the sentence chained inside straightway, hold on guys this specific aren't like that. This Practical Antenna Handbook 5/e book is readable by means of you who hate the straight word style. You will find the details here are arrange for enjoyable reading through experience without leaving actually decrease the knowledge that want to provide to you. The writer involving Practical Antenna Handbook 5/e content conveys the idea easily to understand by many individuals. The printed and e-book are not different in the written content but it just different in the form of it. So , do you nevertheless thinking Practical Antenna Handbook 5/e is not loveable to be your top checklist reading book?

Frank Arnett:

The event that you get from Practical Antenna Handbook 5/e may be the more deep you excavating the information that hide in the words the more you get considering reading it. It does not mean that this book is

hard to be aware of but Practical Antenna Handbook 5/e giving you joy feeling of reading. The writer conveys their point in a number of way that can be understood simply by anyone who read the idea because the author of this book is well-known enough. This kind of book also makes your current vocabulary increase well. Therefore it is easy to understand then can go to you, both in printed or e-book style are available. We highly recommend you for having this kind of Practical Antenna Handbook 5/e instantly.

Lewis Shafer:

Playing with family within a park, coming to see the coastal world or hanging out with close friends is thing that usually you might have done when you have spare time, after that why you don't try thing that really opposite from that. One particular activity that make you not sense tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of knowledge. Even you love Practical Antenna Handbook 5/e, you could enjoy both. It is very good combination right, you still would like to miss it? What kind of hang-out type is it? Oh seriously its mind hangout people. What? Still don't buy it, oh come on its identified as reading friends.

Download and Read Online Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley #9SKJGR7L4IT

Read Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley for online ebook

Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley 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 Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley books to read online.

Online Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley ebook PDF download

Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley Doc

Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley Mobipocket

Practical Antenna Handbook 5/e By Joseph Carr, George Hippisley EPub