



# Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context

By Kao-Cheng Huang, David J. Edwards

Download now

Read Online ➔

**Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context** By Kao-Cheng Huang, David J. Edwards

**Complete and comprehensive application-focused reference on millimetre wave antennas**

*Millimetre Wave Antennas for Gigabit Wireless Communications* covers a vast wealth of material with a strong focus on the current design and analysis principles of millimetre wave antennas for wireless devices. It provides practising engineers with the design rules and considerations required in designing antennas for the terminal. The authors include coverage of new configurations with advanced angular and frequency filtering characteristics, new design and analysis techniques, and methods for filter miniaturization. The book reviews up-to-date research results and utilizes numerous design examples to emphasize computer analysis and synthesis whilst also discussing the applications of commercially available software.

Key Features:

- Advanced and up-to-date treatment of one of the fastest growing fields of wireless communications
- Covers topics such as Gigabit wireless communications and its required antennas, passive and active antenna design and analysis techniques, multibeam antennas and MIMO, IEEE 802.15.3c, WiMedia®, and advanced materials and technologies
- Offers a practical guide to integrated antennas for specific configurations requirements
- Addresses a number of complex, real-world problems that system and antenna engineers are going to face in millimetre-wave communications industry and provides solutions
- Contains detailed design examples, drawings and predicted performance

This book is an invaluable tool for antenna professionals (engineers, designers, and developers), microwave professionals, wireless communication system

professionals, and industries with microwave and millimetre wave research projects. Advanced students and researchers working in the field of millimetre wave engineering will also find this book very useful.

 [Download Millimetre Wave Antennas for Gigabit Wireless Comm ...pdf](#)

 [Read Online Millimetre Wave Antennas for Gigabit Wireless Co ...pdf](#)

# **Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context**

*By Kao-Cheng Huang, David J. Edwards*

**Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context** By Kao-Cheng Huang, David J. Edwards

**Complete and comprehensive application-focused reference on millimetre wave antennas**

*Millimetre Wave Antennas for Gigabit Wireless Communications* covers a vast wealth of material with a strong focus on the current design and analysis principles of millimetre wave antennas for wireless devices. It provides practising engineers with the design rules and considerations required in designing antennas for the terminal. The authors include coverage of new configurations with advanced angular and frequency filtering characteristics, new design and analysis techniques, and methods for filter miniaturization. The book reviews up-to-date research results and utilizes numerous design examples to emphasize computer analysis and synthesis whilst also discussing the applications of commercially available software.

Key Features:

- Advanced and up-to-date treatment of one of the fastest growing fields of wireless communications
- Covers topics such as Gigabit wireless communications and its required antennas, passive and active antenna design and analysis techniques, multibeam antennas and MIMO, IEEE 802.15.3c, WiMedia®, and advanced materials and technologies
- Offers a practical guide to integrated antennas for specific configurations requirements
- Addresses a number of complex, real-world problems that system and antenna engineers are going to face in millimetre-wave communications industry and provides solutions
- Contains detailed design examples, drawings and predicted performance

This book is an invaluable tool for antenna professionals (engineers, designers, and developers), microwave professionals, wireless communication system professionals, and industries with microwave and millimetre wave research projects. Advanced students and researchers working in the field of millimetre wave engineering will also find this book very useful.

**Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context** By Kao-Cheng Huang, David J. Edwards Bibliography

- Sales Rank: #3269881 in Books
- Published on: 2008-12-15
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 9.90" h x .80" w x 6.90" l, .0 pounds
- Binding: Hardcover

- 286 pages

 [Download Millimetre Wave Antennas for Gigabit Wireless Comm ...pdf](#)

 [Read Online Millimetre Wave Antennas for Gigabit Wireless Co ...pdf](#)

## **Editorial Review**

From the Back Cover

**Complete and comprehensive application-focused reference on millimetre wave antennas**

*Millimetre Wave Antennas for Gigabit Wireless Communications* covers a vast wealth of material with a strong focus on the current design and analysis principles of millimetre wave antennas for wireless devices. It provides practising engineers with the design rules and considerations required in designing antennas for the terminal. The authors include coverage of new configurations with advanced angular and frequency filtering characteristics, new design and analysis techniques, and methods for filter miniaturization. The book reviews up-to-date research results and utilizes numerous design examples to emphasize computer analysis and synthesis whilst also discussing the applications of commercially available software.

Key Features:

- Advanced and up-to-date treatment of one of the fastest growing fields of wireless communications
- Covers topics such as Gigabit wireless communications and its required antennas, passive and active antenna design and analysis techniques, multibeam antennas and MIMO, IEEE 802.15.3c, WiMedia®, and advanced materials and technologies
- Offers a practical guide to integrated antennas for specific configurations requirements
- Addresses a number of complex, real-world problems that system and antenna engineers are going to face in millimetre-wave communications industry and provides solutions
- Contains detailed design examples, drawings and predicted performance

This book is an invaluable tool for antenna professionals (engineers, designers, and developers), microwave professionals, wireless communication system professionals, and industries with microwave and millimetre wave research projects. Advanced students and researchers working in the field of millimetre wave engineering will also find this book very useful.

## **Users Review**

**From reader reviews:**

**Teresa Jones:**

The reserve with title *Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context* possesses a lot of information that you can find out it. You can get a lot of help after read this book. This particular book exist new know-how the information that exist in this publication represented the condition of the world now. That is important to yo7u to understand how the improvement of the world. This kind of book will bring you with new era of the internationalization. You can read the e-book on your smart phone, so you can read it anywhere you want.

**Bessie Papp:**

The actual book Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context has a lot of information on it. So when you read this book you can get a lot of help. The book was compiled by the very famous author. Tom makes some research previous to write this book. This kind of book very easy to read you will get the point easily after reading this book.

**Doug Herring:**

Reading a book being new life style in this 12 months; every people loves to go through a book. When you learn a book you can get a lot of benefit. When you read publications, you can improve your knowledge, since book has a lot of information on it. The information that you will get depend on what sorts of book that you have read. If you need to get information about your review, you can read education books, but if you act like you want to entertain yourself you are able to a fiction books, this sort of us novel, comics, as well as soon. The Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context provide you with a new experience in reading a book.

**Gilbert Westmoreland:**

As we know that book is very important thing to add our knowledge for everything. By a reserve we can know everything we want. A book is a group of written, printed, illustrated or maybe blank sheet. Every year was exactly added. This e-book Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context was filled regarding science. Spend your free time to add your knowledge about your scientific disciplines competence. Some people has distinct feel when they reading the book. If you know how big selling point of a book, you can really feel enjoy to read a guide. In the modern era like today, many ways to get book you wanted.

**Download and Read Online Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards #D03G27XFET8**

# **Read Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards for online ebook**

Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards 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 Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards books to read online.

## **Online Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards ebook PDF download**

**Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards Doc**

**Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards Mobipocket**

**Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards EPub**

**D03G27XFET8: Millimetre Wave Antennas for Gigabit Wireless Communications: A Practical Guide to Design and Analysis in a System Context By Kao-Cheng Huang, David J. Edwards**