

1. Record Nr.	UNINA9911019462503321
Titolo	Antennas for global navigation satellite systems // Xiaodong Chen ... [et al.]
Pubbl/distr/stampa	Chichester, West Sussex, U.K. ; ; Hoboken, NJ, : John Wiley & Sons, 2012
ISBN	9786613618856 9781119940326 111994032X 9781280589027 1280589027 9781119969518 1119969514 9781119969525 1119969522
Edizione	[1st edition]
Descrizione fisica	1 online resource (232 p.)
Altri autori (Persone)	ChenXiaodong <1962->
Disciplina	621.382
Soggetti	Antennas (Electronics) Global Positioning System Space vehicles - Radio antennas Radio wave propagation Mobile communication systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
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Sommario/riassunto

This book addresses the fundamentals and practical implementations of antennas for Global Navigation Satellite Systems (GNSS) In this book, the authors discuss the various aspects of GNSS antennas, including fundamentals of GNSS, design approaches for the GNSS terminal and satellite antennas, performance enhancement techniques and effects of user's presence and surrounding environment on these antennas. In addition, the book will provide the reader with an insight into the most important aspects of the GNSS antenna technology and lay the foundations for future advancements. It also includes a number of real case studies describing the ways in which antenna design can be adapted to conform to the design constraints of practical user devices, and also the management of potential adverse interactions between the antenna and its platform. Key Features: . Covers the fundamentals and practical implementations of antennas for Global Navigation Satellite Systems (GNSS). Describes technological advancements for GPS, Glonass, Galileo and Compass. Aims to address future issues such as multipath interference, in building operation, RF interference in mobile. Includes a number of real case studies to illustrate practical implementation of GNSS This book will be an invaluable guide for antenna designers, system engineers, researchers for GNSS systems and postgraduate students (antennas, satellite communication technology). R&D engineers in mobile handset manufacturers, spectrum engineers will also find this book of interest.
