

1. Record Nr.	UNINA9910494611203321
Titolo	Handbook of reflector antennas and feed systems . Volume 3 Applications of reflectors // Sudhakar Rao, Lotfollah Shafai, Satish Sharma, editors ; Vicki Kane, cover design ; contributors Dr. S. Bassily [and thirteen others]
Pubbl/distr/stampa	Boston, Massachusetts : , : Artech House, , 2013 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	1-5231-1727-3 1-60807-520-6
Descrizione fisica	1 online resource (462 p.)
Disciplina	621.31242
Soggetti	Antennas, Reflector - Design and construction Antennas, Reflector Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Handbook of Reflector Antennas and Feed Systems; Contents; Preface; Chapter 1 Introduction; 1.1 Introduction; 1.2 Reflector Antenna Basics; 1.3 Organization of Book Chapters; References; Chapter 2 Reflector Antennas for Space Communicatiion; 2.1 Introduction; 2.2 Contoured Beam Antennas; 2.2.1 Single-Offset Shaped Reflector Antenna for Contoured Beams; 2.2.2 Dual-Offset Gregorian Reflectors; 2.2.3 Gridded-Reflector Antennas; 2.3 Multiple-Beam Antennas; 2.3.1 Introduction; 2.3.2 Frequency Reuse Schemes ; 2.3.3 Multiple-Beam Antenna Types. 2.3.4 Design and Analysis of Multiple-Beam Reflector Antennas2.3.5 Multiple-Beam Antenna Design Examples for Various Satellite Services; References; Chapter 3 Reflector Antennas for Terrestrial Commutions; 3.1 Introduction ; 3.2 Large Earth Station Reflector Antenn; 3.2.1 Design Method; 3.2.2 Main Performance; 3.3 Tri-Reflector Offset Antenna for Ter; 3.3.1 Electrical Design; 3.3.2 Structur.
Sommario/riassunto	This is the first truly comprehensive and most up-to-date handbook available on modern reflector antennas and feed sources for diversified

space and ground applications. There has never been such an all-encompassing reflector handbook in print, and no currently available title offers coverage of such recent research developments. The Handbook consists of three volumes. Volume III focuses on the range of reflector antenna applications, including space, terrestrial, and radar. The intent of this book volume is to provide practical applications and design information on reflector antennas used fo.
