

1. Record Nr.	UNINA9910959514503321
Autore	Pedro Jose Carlos
Titolo	Intermodulation distortion in microwave and wireless circuits / / Jose Carlos Pedro, Nuno Borges Carvalho
Pubbl/distr/stampa	Boston, : Artech House, c2003
ISBN	1-58053-691-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (446 p.)
Collana	Artech House microwave library
Altri autori (Persone)	CarvalhoNuno Borges
Disciplina	621.381/32
Soggetti	Microwave circuits Radio circuits Electric distortion - Mathematical models Electric circuits, Nonlinear Signal theory (Telecommunication)
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.
Nota di contenuto	Ch. 1. Introduction -- Ch. 2. IMD Characterization Techniques -- Ch. 3. Nonlinear Analysis Techniques for Distortion Prediction -- Ch. 4. Nonlinear Device Modeling -- Ch. 5. Highly Linear Circuit Design.
Sommario/riassunto	Annotation "Intermodulation Distortion in Microwave and Wireless Circuits presents the full range of distortion specs to help practitioners select the right telecommunications equipment for their needs. The book details numerous design methods for highly linear circuits that help ensure optimal linearity in small-signal and high-power amplifiers and mixers. Engineers find practical advice on modeling and computer-aided tools that guides them toward successful analysis and design. Moreover, the book offers guidance in the design of other highly linear circuits and systems related to microwave and wireless communications and it includes the most comprehensive treatment of the application of Volterra methods in the technical literature."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved.