1. Record Nr. UNINA9910449763503321

Autore	James Henry <1843-1916.>
Titolo	In the cage [[electronic resource] /] / Henry James
Pubbl/distr/stampa	London, : Electric Book Co., c2001
Descrizione fisica	1 online resource (117 p.)
Soggetti	Telegraphers American literature - 19th century Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNIORUON00297222

Titolo	The Ruodlieb / linguistic introduction, latin text and glossary by Gordon B. Ford
Pubbl/distr/stampa	Leiden, : Brill, 1966
Descrizione fisica	IX, 119 p. ; 24 cm.
Disciplina	829
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNINA9910821592603321

Autore	Ghannouchi Fadhel M. <1958->
Titolo	Behavioral modelling and predistortion of wideband wireless transmitters / / Fadhel Ghannouchi, Oualid Hammi, Mohamed Helaoui
Pubbl/distr/stampa	Chichester, England : , : Wiley, , 2015 ©2015
ISBN	1-119-00444-6 1-119-00442-X
Edizione	[1st edition]
Descrizione fisica	1 online resource (272 p.)
Disciplina	621.384131
Soggetti	Wireless communication systems - Mathematical models Broadband communication systems - Mathematical models Signal theory (Telecommunication) - Mathematics Telecommunication - Transmitters and transmission - Mathematics Nonlinear systems - Mathematical models Electric distortion - Mathematical models
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 at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; About the Authors; Preface; Acknowledgments; Chapter 1 Characterization of Wireless Transmitter Distortions; 1.1 Introduction; 1.1.1 RF Power Amplifier Nonlinearity; 1.1.2 Inter-Modulation Distortion and Spectrum Regrowth; 1.2 Impact of Distortions on Transmitter Performances; 1.3 Output Power versus Input Power Characteristic; 1.4 AM/AM and AM/PM Characteristics; 1.5 1 dB Compression Point; 1.6 Third and Fifth Order Intercept Points; 1.7 Carrier to Inter-Modulation Distortion Ratio; 1.8 Adjacent Channel Leakage Ratio; 1.9 Error Vector Magnitude ReferencesChapter 2 Dynamic Nonlinear Systems; 2.1 Classification of Nonlinear Systems; 2.1.1 Memoryless Systems; 2.1.2 Systems with Memory; 2.2 Memory in Microwave Power Amplification Systems; 2.2.1 Nonlinear Systems without Memory; 2.2.2 Weakly Nonlinear and Quasi-Memoryless Systems; 2.2.3 Nonlinear System with Memory; 2.3 Baseband and Low-Pass Equivalent Signals; 2.4 Origins and Types of

Sommario/riassunto

Covers theoretical and practical aspects related to the behavioral modelling and predistortion of wireless transmitters and power amplifiers. It includes simulation software that enables the users to apply the theory presented in the book. In the first section, the reader is given the general background of nonlinear dynamic systems along with their behavioral modelling from all its aspects. In the second part, a comprehensive compilation of behavioral models formulations and structures is provided including memory polynomial based models, box oriented models such as Hammerstein-based and Wiener-based models, and neural networks-based models. The book will be a valuable resource for design engineers, industrial engineers, applications engineers, postgraduate students, and researchers working on power amplifiers modelling, linearization, and design.