1. Record Nr. UNINA9910254233703321

Autore	Chen Wenhua
Titolo	Multiband RF Circuits and Techniques for Wireless Transmitters / / by Wenhua Chen, Karun Rawat, Fadhel M. Ghannouchi
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2016
ISBN	3-662-50440-5
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (IX, 242 p. 203 illus., 116 illus. in color.)
Disciplina	621.3815
Soggetti	Electronic circuits Microwaves Optical engineering Electrical engineering Circuits and Systems Microwaves, RF and Optical Engineering Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	RF Amplifier Design and Architectures -- Dual-Branch RF Amplifier Design and Architectures -- Multiband RF Transmitters -- Multiband RF Passive Circuits -- Multiband Power Amplifier Design -- Digital Techniques for Multiband RF Transmitters.
Sommario/riassunto	This book introduces systematic design methods for passive and active RF circuits and techniques, including state-of-the-art digital enhancement techniques. As the very first book dedicated to multiband RF circuits and techniques, this work provides an overview of the evolution of transmitter architecture and discusses current digital predistortion techniques. Readers will find a collection of novel research ideas and new architectures in concurrent multiband power dividers, power amplifiers and related digital enhancement techniques. This book will be of great interest to academic researchers, R&D engineers, wireless transmitter and protocol designers, as well as graduate students who wish to learn the core architectures, principles and methods of multiband RF circuits and techniques. .