1.

Record Nr.	UNINA9910274559703321
Titolo	Rural gender studies in Europe / Leendert van der Plas, Maria Fonte (eds)
Pubbl/distr/stampa	Assen : Van Gorcum, 1994
ISBN	9023229371
Descrizione fisica	X, 164 p. : ill. ; 24 cm
Collana	European perspectives on rural development
Locazione	SE S
Collocazione	16310 RUR
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2.

Record Nr.	UNINA9910254237603321
Autore	Spiridon Silvian
Titolo	Toward 5G Software Defined Radio Receiver Front-Ends / / by Silvian Spiridon
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-32759-3
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVII, 96 p. 50 illus., 20 illus. in color.)
Collana	SpringerBriefs in Electrical and Computer Engineering, , 2191-8112
Disciplina	621.3815
Soggetti	Electronic circuits
	Signal processing
	Image processing
	Speech processing systems
	Electronics
	Microelectronics
	Circuits and Systems
	Signal, Image and Speech Processing
	Electronics and Microelectronics, Instrumentation
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	Overview of Wireless Communication in the Internet Age -- Defining the optimal architecture -- From High Level Standard Requirements to Circuit Level Electrical Specifications: A Standard Independent Approach -- Optimal Filter Partitioning -- Smart Gain Partitioning for Noise – Linearity Trade-Off Optimization -- SDRX Electrical Specifications -- A System Level Perspective of Modern Receiver Building Blocks -- Conclusions and Future Developers.
Sommario/riassunto	This book introduces a new intuitive design methodology for the optimal design path for next-generation software defined radio front-ends (SDRXs). The methodology described empowers designers to "attack" the multi-standard environment in a parallel way rather than serially, providing a critical tool for any design methodology targeting 5G circuits and systems. Throughout the book the SDRX design follows the key wireless standards of the moment (i.e., GSM, WCDMA, LTE, Bluetooth, WLAN), since a receiver compatible with these standards is the most likely candidate for the first design iteration in a 5G deployment. The author explains the fundamental choice the designer has to make regarding the optimal channel selection: how much of the blockers/interferers will be filtered in the analog domain and how much will remain to be filtered in the digital domain. The system-level analysis the author describes entails the direct sampling architecture is treated as a particular case of mixer-based direct conversion architecture. This allows readers give a power consumption budget to determine how much filtering is required on the receive path, by considering the ADC performance characteristics and the corresponding blocker diagram.