

1. Record Nr.	UNINA9910459542603321
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Titolo	Quantitative analysis of cognitive radio and network performance // Preston Marshall
Pubbl/distr/stampa	Norwood, Massachusetts : , : Artech House, , ©2010 [Piscataway, New Jersey] : , : IEEE Xplore, , [2010]
ISBN	1-60807-099-9
Descrizione fisica	1 online resource (478 p.)
Collana	Artech House mobile communications series
Disciplina	621.384
Soggetti	Cognitive radio networks Wireless communication systems Electronic books.
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	Quantitative Analysis of Cognitive Radio and Network Performance; Contents; Foreword; Preface; Chapter 1 Introduction to Cognitive Radio; Chapter 2 A General Introduction to Radio Design and Operations; Chapter 3 Conventional and Dynamic Spectrum Management Principles; Chapter 4 A Short Introduction to Cognitive Radio Development; Chapter 5 General Operating Concept of a Cognitive Radio; Chapter 6 Characterizing Spectrum Occupancy of Signaling Bandwidths; Chapter 7 Characterizing High-Energy Environments; Chapter 8 Synthesizing Distribution Characteristics of Arbitrary Spectrum Environments.
Sommario/riassunto	Cognitive radio is the exciting new paradigm for wireless communication. Devices and networks constantly interact in real-time, and adapt to environments, missions, and user actions in order to communicate more effectively, avoid or manage interference, mitigate stressing conditions, and save energy. This area is one of the most exciting emerging fields in communications technology, as well as a compelling application of information theory, decision theory, network science, and formal methods. Taking an integrated development approach, this cutting-edge book provides clear methods for performi.