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Descrizione fisica	1 online resource (XVII, 452 p. 193 illus., 5 illus. in color.)
Disciplina	621.382
Soggetti	Electrical engineering Computer organization Microwaves Optical engineering Communications Engineering, Networks Computer Systems Organization and Communication Networks Microwaves, RF and Optical Engineering
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to Radiowaves -- Basic Principles in Radiowave Propagation -- Radiowave Propagation in Troposphere -- Radiowave Propagation in Ionosphere -- Propagation in 3KHz to 30MHz Band -- Terrestrial Mobile Radio Propagation -- Line of Sight Propagation -- Propagation in Guided Media -- Selected Topics in Radiowave Propagation -- Appendix -- Acronyms -- References -- Index.
Sommario/riassunto	This book covers the basic principles for understanding radio wave propagation for common frequency bands used in radio-communications. This includes achievements and developments in propagation models for wireless communication. This book is intended to bridge the gap between the theoretical calculations and approaches to the applied procedures needed for radio links design in a proper manner. The authors emphasize propagation engineering by giving fundamental information and explain the use of basic principles together with technical achievements. This new edition includes additional information on radio wave propagation in guided media and

technical issues for fiber optics cable networks with several examples and problems. This book also includes a solution manual - with 90 solved examples distributed throughout the chapters - and 158 problems including practical values and assumptions.