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Nota di contenuto	Intro; Title Page ; Copyright; Contents; Acknowledgments; Author Biography ; Preface; 1 Electromagnetic Wave Propagation and Applications; 2 ELECTROMAGNETIC THEORY AND TRANSMISSION LINES FOR RF DESIGNERS; 3 BASIC ANTENNAS FOR COMMUNICATION SYSTEMS; 4 MIC AND MMIC MICROWAVE AND MILLIMETER WAVE TECHNOLOGIES; 5 PRINTED ANTENNAS FOR WIRELESS COMMUNICATION SYSTEMS; 6 MIC AND MMIC MILLIMETER-WAVE RECEIVING CHANNEL MODULES; 7 INTEGRATED OUTDOOR UNIT FOR MILLIMETER-WAVE SATELLITE COMMUNICATION APPLICATIONS; 8 MIC AND MMIC INTEGRATED RF HEADS; 9 MIC AND MMIC COMPONENTS AND MODULES DESIGN 10 MICROELECTROMECHANICAL SYSTEMS (MEMS) TECHNOLOGY 11 LOW-TEMPERATURE COFIRE CERAMIC (LTCC) TECHNOLOGY; 12 ADVANCED ANTENNA TECHNOLOGIES FOR COMMUNICATION SYSTEM; 13 Wearable Communication and Medical Systems; 14 RF

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Sommario/riassunto

"This book presents applications of Wide Band RF Technologies and Antennas. The author begins by discussing electromagnetic theory for RF designers. The book covers electromagnetic theory and microwave and mm wave RF technologies. The author examines MIC, MMIC, MEMS, and LTCC technologies. The text will also present information on meta-materials, design of microwave and mm wave systems, along with a look at microwave and mm wave receivers, transmitters and antennas"

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