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   Titolo   Printed antennas for 5G networks / / Ladislau Matekovits [and three
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   Descrizione fisica   1 online resource (viii, 371 pages) : illustrations (some color)

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   Soggetti   Antennas (Electronics)
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   Livello bibliografico   Monografia

   Nota di bibliografia Includes bibliographical references.

   Sommario/riassunto   The book provides a comprehensive overview of antennas for 5G
                        technology, such as MIMO, multiband antennas, Magneto-Electric
                        Dipole Antenna and PIFA Antenna for 5G networks, phased array
                        antennas for 5G access, beam-forming and beam-steering issues, 5G
                        antennas for specific applications (smartphone, cognitive radio) and
                        advance antenna concept and materials for 5G. The book also covers
                        ooptimizations methods for passive and active devices in mm-Wave 5G
                        networks. It explores topics which influence the design and
                        characterization of antennas such as data rates, high isolation, pattern
                        and spatial diversity, making 5G antennas more suitable for a multipath
                        environment. The book represents a learning tool for researchers in the
                        field, and enables engineers, designers and manufacturers to identify
                        key design challenges of antennas for 5G networks, and characterize
                        novel antennas for 5G networks.