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Sommario/riassunto

Written from an operator's viewpoint, HSPA Performance and Evolution explores the lessons learned and techniques developed for optimally deploying HSPA (High Speed Packet Access). The essential distinctions between rolling out HSPA compared to earlier UMTS and GSM technologies are explained covering the many issues that must be specifically handled. Areas in standards which have been left open for interpretation, causing significant differences between vendor implementations, are identified and solutions explored. This book is invaluable in enabling wireless operators to extract maximum performance offered by 3GPP's HSPA radio technology, consisting of both downlink (HSDPA) and uplink (HSUPA) elements. It focuses on real-world performance, sharing practical implementation methods and tradeoffs for deploying, optimizing and maintaining networks using the HSPA air interface. * Examines algorithms, equipment and performance perspectives to identify and explain HSPA * Measures performance and sets network parameters for optimal tradeoffs * Presents results from practical and real-world network performances * Explores the evolution of HSPA technology into HSPA+ and eventually next generation LTE technologies.
