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Autore	Bacci, Mina
Titolo	Piero di Cosimo / Mina Bacci
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Descrizione fisica	1 online resource (622 p.)
Altri autori (Persone)	SongLingyang ShenJia <1977->
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Nota di contenuto	Front cover; Contents; Contributors; Part I: INTRODUCTION; Chapter 1:

Introduction to UMTS:WCDMA, HSPA,TD-SCDMA, and LTE; Chapter 2: Overview of WirelessChannel Models for UMTS and LTE; Chapter 3: Virtual Drive Test; Part II: 3G PLANNING AND OPTIMIZATION; Chapter 4: WCDMA Planning and Optimization; Chapter 5: TD-SCDMA Network Planning and Optimization; Part III: HSPA PLANNING AND OPTIMIZATION; Chapter 6: Capacity, CoveragePlanning, and Dimensioning for HSPA; Chapter 7: Radio Resource Optimization andScheduling Techniquesfor HSPA and LTE Advanced Technologie Chapter 8: Teletraffic Engineering for HSDPA and HSUPA CellsChapter 9: Radio ResourceManagement forE-MBMS Transmissions toward LTE; Chapter 10: Managing Coverage andInterference in UMTS Femtocell Deployments; Part IV: LTE PLANNING AND OPTIMIZATION; Chapter 11: RF Planning and Optimization for LTE Networks; Chapter 12: Advanced Radio Access Networks for LTE and Beyond; Chapter 13: Physical Uplink SharedChannel (PUSCH)Closed-Loop Power Control for 3G LTE; Chapter 14: Key Technologiesand Network Planning in TD-LTE Systems; Chapter 15: Planning andOptimization of Multihop Relaying Networks
Chapter 16: LTE E-MBMS Capacity and Intersite GainsBack cover

Sommario/riassunto

Most books on network planning and optimization provide limited coverage of either GSM or WCDMA techniques. Few scrape the surface of HSPA, and even fewer deal with TD-SCDMA. Filling this void, Evolved Cellular Network Planning and Optimization for UMTS and LTE presents an accessible introduction to all stages of planning and optimizing UMTS, HSPA, and LTE cellular networks. Supplying a comprehensive explanation of the fundamental aspects of current and future cellular networks, the text starts with an overview of each type of network, including basic techniqu