

1. Record Nr.	UNINA9910143715403321
Autore	Laiho Jaana
Titolo	Radio Network Planning and Optimisation for UMTS [[electronic resource]]
Pubbl/distr/stampa	Hoboken, : Wiley, 2006
ISBN	1-280-44890-3 9786610448906 0-470-03140-9 0-470-03139-5
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (663 p.)
Altri autori (Persone)	WackerAchim NovosadTomas
Disciplina	621.382 621.384
Soggetti	Code division multiple access Global system for mobile communications Radio Radio - Transmitters and transmission Transmitters and transmission Global system for mobile communications - Transmitters and transmission Telecommunications Electrical & Computer Engineering Engineering & Applied Sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Radio Network Planning and Optimisation for UMTS; Contents; Preface; Acknowledgements; Abbreviations; 1 Introduction; 1.1 A Brief Look at Cellular History; 1.2 Evolution of Radio Network Planning; 1.3 Introduction to Radio Network Planning and Optimisation for UMTS; 1.4 Future Trends; 1.4.1 Towards a Service-driven Network Management; 1.4.2 Wireless Local Area Networks (WLANs); 1.4.3 Next-generation Mobile Communication; References; 2 Introduction to WCDMA for

UMTS; 2.1 Mathematical Background of Spread Spectrum CDMA Systems; 2.1.1 Multiple Access; 2.1.2 Spread Spectrum Modulation 2.1.3 Tolerance of Narrowband Interference 2.2 Direct Sequence Spread Spectrum System; 2.2.1 Modulation Example; 2.2.2 Tolerance of Wideband Interference; 2.2.3 Operation in Multi-path Environment; 2.3 CDMA in Cellular Radio Networks; 2.3.1 Universal Frequency Reuse; 2.3.2 Soft Handover; 2.3.3 Power Control; 2.4 WCDMA Logical, Transport and Physical Channels; 2.4.1 High-level UMTS Architecture Model; 2.4.2 Radio Interface Protocol Architecture and Logical Channels; 2.4.3 Transport Channels; 2.4.4 Physical Channels and Mapping of Transport Channels (FDD) 2.4.5 High-speed Downlink Packet Access (HSDPA) 2.4.6 Timing and Synchronisation in UTRAN (FDD); 2.4.7 Spreading, Scrambling and Channelisation Concepts; 2.5 WCDMA Radio Link Performance Indicators; 2.5.1 Definitions; 2.5.2 Classification according to Multi-path Channel Conditions and Services; 2.5.3 Link-level Simulation Principles; 2.5.4 Physical-layer Measurements Supporting the Measurement of Link-level Performance in a Live Network; References; 3 WCDMA Radio Network Planning; 3.1 Dimensioning; 3.1.1 WCDMA-specific Issues in Radio Link Budgets; 3.1.2 Receiver Sensitivity Estimation 3.1.3 Shadowing Margin and Soft Handover Gain Estimation 3.1.4 Cell Range and Cell Coverage Area Estimation; 3.1.5 Capacity and Coverage Analysis in the Initial Planning Phase; 3.1.6 Dimensioning of WCDMA Networks with HSDPA; 3.1.7 RNC Dimensioning; 3.2 Detailed Planning; 3.2.1 General Requirements for a Radio Network Planning Tool; 3.2.2 Initialisation: Defining the Radio Network Layout; 3.2.3 Detailed Uplink and Downlink Iterations; 3.2.4 Adjacent Channel Interference Calculations; 3.2.5 Post-processing: Network Coverage Prediction and Common Channel Analysis 3.3 Verification of Dimensioning with Static Simulations 3.3.1 Macro-cellular Network Layout; 3.3.2 Introduction to the Simulation Parameters; 3.4 Verification of Static Simulator with Dynamic Simulations; 3.4.1 Introduction to the Dynamic Simulator; 3.4.2 Comparison of the Results; 3.5 Optimisation of the Radio Network Plan; 3.5.1 Ideal Case; 3.5.2 Shinjuku Case; 3.6 Interference in WCDMA Multi-operator Environment; 3.6.1 Sources of Adjacent Channel Interference; 3.6.2 Minimum Coupling Loss; 3.6.3 Dead Zones; 3.6.4 ACI Simulation Cases; 3.6.5 Guidelines for Radio Network Planning to Avoid ACI 3.7 Cell Deployment Strategies

Sommario/riassunto

Radio Network Planning and Optimisation for UMTS, Second Edition, is a comprehensive and fully updated introduction to WCDMA radio access technology used in UMTS, featuring new content on key developments. Written by leading experts at Nokia, the first edition quickly established itself as a best-selling and highly respected book on how to dimension, plan and optimise UMTS networks. This valuable text examines current and future radio network management issues and their impact on network performance as well as the relevant capacity and coverage enhancement methods. In addition to cove

2. Record Nr.	UNINA9910149421403321
Autore	Madison Juliet
Titolo	Scent
Pubbl/distr/stampa	Diversion Books
ISBN	1-62681-917-3
Descrizione fisica	1 online resource (220 p.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Five extraordinary sisters discover that they each have a unique talent, an extra-sensory perception that enables them to see what others can't. It makes them incredible, it puts them in danger, and it brings them closer to learning the secrets that have haunted them their entire lives. These are the Delta Girls. Sassy Sasha is having an online interlude with a secret admirer. She's convinced it's the gorgeous Taylor Petrenko behind the romantic emails. There's little time for love, though. As new developments come to light around their father's disappearance, the Delta Girls start to question just how well they knew their father. The sisters experience increasingly detailed and troubling sensory predictions that bring fear and uncertainty, weighing them down with the responsibility toward helping those in danger. Sasha distracts herself with the excitement of newfound romance, refusing to partake in further analysis of the visions. When her sisters cover for her so she can sneak out for a date, her sense of scent becomes heightened and awakens the memory of a vision she shared with her sisters. Sasha realizes a moment too late that she is in danger, and must gather all of her strength if she is to save her own life.</p>