WCDMA for UMTS. HSPA Evolution and LTE. 5th Edition

Description: Now in its fifth edition, the bestselling book on UMTS has been updated to cover 3GPP WCDMA and High Speed Packet Access (HSPA) from Release 99 to Release 9. Written by leading experts in the field, the book explains HSPA performance based on simulations and field experience, and illustrates the benefits of HSPA evolution (HSPA+) both from the operators and from the end user's perspective. It continues to provide updated descriptions of the 3GPP standard including the physical layer, radio protocols on layers 1-3 and a system architecture description. The challenges and solutions regarding terminal RF design are also discussed, including the benefits of HSPA+ power saving features. There is also the addition of a new chapter on femto cells as part of the updates to this fifth edition.

Key updates include:
- HSPA evolution (HSPA+);
- Multicarrier HSPA solutions;
- HSPA femto cells (home base stations);
- TD-SCDMA system description;
- Terminal power consumption optimization.
- Updated description of LTE

Contents:

Preface.
Acknowledgements.
Abbreviations.

1 Introduction (Harri Holma and Antti Toskala).
1.1 WCDMA Early Phase.
1.2 HSPA Introduction and Data Growth.
1.3 HSPA Deployments Globally.
1.4 HSPA Evolution.
1.5 HSPA Network Product.
1.6 HSPA Future Outlook.

References.

2 UMTS Services (Harri Holma, Martin Kristensson, Jouni Salonen, Antti Toskala and Tommi Uitto).
2.1 Introduction.
2.2 Voice.
2.3 Video Telephony.
2.4 Messaging.
2.5 Mobile Email.
2.6 Browsing.
2.7 Application and Content Downloading.
2.8 Streaming.
2.9 Gaming.
2.10 Mobile Broadband for Laptop and Netbook Connectivity.
2.11 Social Networking.
2.12 Mobile TV.
2.13 Location Based Services.
2.15 Quality of Service (QoS) Differentiation.
2.16 Maximum Air Interface Capacity.
2.17 Terminals.
2.18 Tariffing schemes.

References.

3 Introduction to WCDMA (Peter Muszynski and Harri Holma).
3.1 Introduction.
3.2 Summary of the Main Parameters in WCDMA.
3.3 Spreading and Despreading.
3.4 Multipath Radio Channels and Rake Reception.
3.5 Power Control.
3.6 Softer and Soft Handovers.

References.

4 Background and Standardization of WCDMA (Antti Toskala).
4.1 Introduction.
4.2 Background in Europe.
4.3 Background in Japan.
4.4 Background in Korea.
4.5 Background in the United States.
4.6 Creation of 3GPP.
4.7 How does 3GPP Operate?
4.8 Creation of 3GPP2.
4.9 Harmonisation Phase.
4.10 IMT-2000 Process in ITU.
4.11 Beyond 3GPP Release 99 WCDMA.

References.

5 Radio Access Network Architecture (Fabio Longoni, Atte Länsisalmi and Antti Toskala).
5.1 Introduction.
5.2 UTRAN Architecture.
5.3 General Protocol Model for UTRAN Terrestrial Interfaces.
5.4 Iu, the UTRAN–CN Interface.
5.5 UTRAN Internal Interfaces.
5.6 UTRAN Enhancements and Evolution.
5.7 UMTS CN Architecture and Evolution.

References.

6 Physical Layer (Antti Toskala).
6.1 Introduction.
6.2 Transport Channels and their Mapping to the Physical Channels.
6.3 Spreading and Modulation.
6.4 User Data Transmission.
6.5 Signaling.
6.6 Physical Layer Procedures.
6.7 Terminal Radio Access Capabilities.
6.8 Conclusions.

References.

7 Radio Interface Protocols (Jukka Vialén and Antti Toskala).
7.1 Introduction.
7.2 Protocol Architecture.
7.3 The Medium Access Control Protocol.
7.4 The Radio Link Control Protocol.
7.5 The Packet Data Convergence Protocol.
7.6 The Broadcast/Multicast Control Protocol.
7.7 Multimedia Broadcast Multicast Service.
7.9 Early UE Handling Principles.
7.10 Improvements for Call Set-up Time Reduction.

References.


8.1 Introduction.
8.2 Dimensioning.
8.3 Capacity and Coverage Planning and Optimization.
8.4 GSM Co-planning.
8.5 Inter-Operator Interference.
8.6 WCDMA Frequency Variants.
8.7 UMTS Refarming to GSM Band.
8.8 Interference between GSM and UMTS.
8.9 Remainign GSM Voice Capacity.
8.10 Shared Site Solutions with GSM and UMTS.
8.11 Interworking of UMTS900 and UMTS2100.

References.

9 Radio Resource Management (Harri Homa, Klaus Pedersen, Jussi Reunanen, Janne Laakso and Oscar Salonaho).

9.1 Introduction.
9.2 Power Control.
9.3 Handovers.
9.4 Measurement of Air Interface Load.
9.5 Admission Control.
9.6 Load Control (Congestion Control).

References.

10 Packet Scheduling (Jeroen Wigard, Harri Holma, Renaud Cuny, Nina Madsen, Frank Frederiksen and Martin Kristensson).

10.1 Introduction.
10.2 Transmission Control Protocol (TCP).
10.3 Round Trip Time.
10.4 User-Specific Packet Scheduling.
10.5 Cell-Specific Packet Scheduling.
10.6 Packet Data System Performance.

10.7 Packet Data Application Performance.

References.

11 Physical Layer Performance (Harri Holma, Jussi Reunanen, Leo Chan, Preben Morgensen, Klaus Pedersen, Kari Horneman, Jaakko Vihriälä and Markku Juntti).

11.1 Introduction.

11.2 Cell Coverage.

11.3 Downlink Cell Capacity.

11.4 Capacity Trials.

11.5 3GPP Performance Requirements.

11.6 Performance Enhancements.

References.

12 High-Speed Downlink Packet Access (Antti Toskala, Harri Holma, Troels Kolding, Preben Mogensen, Klaus Pedersen and Jussi Reunanen).

12.1 Introduction.

12.2 Release 99 WCDMA Downlink Packet Data Capabilities.

12.3 The HSDPA Concept.


12.5 Release 4 HSDPA Feasibility Study Phase.

12.6 HSDPA Physical Layer Structure.

12.7 HSDPA Terminal Capability and Achievable Data Rates.

12.8 Mobility with HSDPA.

12.9 HSDPA Performance.

12.10 HSPA Link Budget.

12.11 HSDPA Iub Dimensioning.

12.12 HSPA Round-Trip Time.

12.13 Terminal Receiver Aspects.


12.15 Conclusions.

References.


13.1 Introduction.

13.2 Release99 WCDMA Downlink Packet Data Capabilities.
13.3 HSUPA Concept.
13.5 HSUPA Feasibility Study Phase.
13.6 HSUPA Physical Layer Structure.
13.7 E-DCH and Related Control Channels.
13.8 HSUPA Physical Layer Operation Procedure.
13.9 HSUPA Terminal Capability.
13.10 HSUPA Performance.
13.11 Conclusions.

References.

14 Multimedia Broadcast Multicast Service (MBMS) (Harri Holma, Martin Kristensson and Jorma Kaikkonen).
14.1 Introduction.
14.2 MBMS Impact to Network Architecture.
14.3 HIGH LEVEL MBMS Procedures.
14.4 MBMS Radio Interface Channel Structure.
14.5 MBMS Terminal Capability.
14.6 MBMS Performance.
14.7 MBMS Deployment and Use Cases.
14.8 Benchmarking of MBMS with DVB-H.
14.9 3GPP MBMS Evolution in Release 7.
14.10 Why Did MBMS Fail?
14.11 Integrated Mobile Broadcast (IMB) in Release 8.
14.12 Conclusion.

References.

15 HSPA Evolution (Harri Holma, Karri Ranta-aho and Antti Toskala).
15.1 Introduction.
15.2 Discontinuous Transmission and Reception (DTX/DRX).
15.3 Circuit Switched Voice on HSPA.
15.4 Enhanced FACH and Enhanced RACH.
15.5 Latency.
15.6 Fast Dormancy.
15.7 Downlink MIMO.
15.8 Downlink 64QAM.
15.9 Transmit Diversity (TxAA).
15.10 Uplink 16QAM.
15.11 UE Categories.
15.12 Layer 2 Optimization.
15.13 Architecture Evolution.
15.14 Conclusion.
References.

16 HSPA Multicarrier Evolution (Harri Holma, Karri Ranta-aho and Antti Toskala).
16.1 Introduction.
16.2 Dual Cell HSUPA in Release 8.
16.3 Dual Cell HSDPA in Release 9.
16.4 Dual Cell HSDPA with MIMO in Release 9.
16.5 Dual Band HSDPA in Release 9.
16.6 Three and Four Carrier HSDPA in Release 10.
16.7 UE Categories.
16.8 Conclusion.
References.

17 UTRAN Long Term Evolution (Antti Toskala and Harri Holma).
17.1 Introduction.
17.2 Multiple Access and Architecture Decisions.
17.3 LTE Impact on Network Architecture.
17.4 LTE Multiple Access.
17.5 LTE Physical Layer Design and Parameters.
17.6 LTE Physical Layer Procedures.
17.7 LTE Protocols.
17.8 Performance.
17.9 LTE Device Categories.
17.10 LTE Advanced Outlook.
17.11 Conclusion.
References.
18 TD-SCDMA (Antti Toskala and Harri Holma).

18.1 Introduction.

18.2 Differences in the Network-Level Architecture.

18.3 TD-SCDMA Physical Layer.

18.4 TD-SCDMA Data Rates.

18.5 TD-SCDMA Physical Layer Procedures.

18.6 TD-SCDMA Interference and Co-existence Considerations.

18.7 Conclusion and Future Outlook on TD-SCDMA.

References.


19.1 Introduction.


19.3 Technical Challenges of Uncoordinated Mass Deployment.

19.4 Home Node B Architecture.

19.5 Closed Subscriber Group.

19.6 Home Node B Related Mobility.

19.7 Home Node B Deployment and Interference Mitigation.

19.8 Home Node B Evolution.

19.9 Conclusion.

References.

20 Terminal RF and Baseband Design Challenges (Laurent Noël, Dominique Brunel, antti Toskala and Harri Holma).

20.1 Introduction.

20.2 Transmitter Chain System Design Challenges.

20.3 Receiver Chain Design Challenges.

20.4 Improving Talk-Time with DTX/DRX.

20.5 Multi-Mode/Band Challenges.

20.6 Conclusions.

References.

Index.
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