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Autore	Sampson Rana
Titolo	Misuse and abuse of 911 [[electronic resource] /] / by Rana Sampson
Pubbl/distr/stampa	[Washington, D.C.] : , : U.S. Dept. of Justice, Office of Community Oriented Policing Services, , [2004]
Edizione	[[Updated Date: July 15, 2004]]
Descrizione fisica	viii, 46 pages : digital, PDF file
Collana	Problem-oriented guides for police. Problem-specific guides series ; ; no. 19
Soggetti	Telephone - Emergency reporting systems False alarms - United States - Prevention Prank telephone calls - United States - Prevention
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Nov. 28, 2006). "August 2004."

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Autore	Tolstrup Morten
Titolo	Indoor Radio Planning [[electronic resource]] : A Practical Guide for GSM, DCS, UMTS, HSPA and LTE
Pubbl/distr/stampa	Hoboken, : Wiley, 2011 United Kingdom, : John Wiley & Sons, 2011
ISBN	1-283-20441-X 9786613204417 1-119-97322-8 1-119-97323-6
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (482 p.)
Disciplina	621.3845/6 621.38456
Soggetti	Mobile communication systems Wireless communication systems Wireless LANs Electrical & Computer Engineering Engineering & Applied Sciences Telecommunications
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [437]) and index.
Nota di contenuto	INDOOR RADIO PLANNING: A Practical Guide for GSM, DCS, UMTS, HSPA and LTE; Contents; Foreword by Professor Simon Saunders; Preface to the Second Edition; This is Still Not a Book for Scientists!; The Practical Approach; Keep the Originals!; Preface to the First Edition; This is Not a Book for Scientists; The Practical Approach; Acknowledgments; Second Edition; First Edition; 1 Introduction; 2 Overview of Cellular Systems; 2.1 Mobile Telephony; 2.1.1 Cellular Systems; 2.1.2 Radio Transmission in General; 2.1.3 The Cellular Concept; 2.1.4 Digital Cellular Systems; 2.2 Introduction to GSM 2.2.1 GSM2.2.2 GSM Radio Features; 2.2.3 Mobility Management in GSM; 2.2.4 GSM Signaling; 2.2.5 GSM Network Architecture; 2.3 Universal Mobile Telecommunication System; 2.3.1 The Most Important

UMTS Radio Design Parameters; 2.3.2 The UMTS Radio Features; 2.3.3 UMTS Noise Control; 2.3.4 UMTS Handovers; 2.3.5 UMTS Power Control; 2.3.6 UMTS and Multipath Propagation; 2.3.7 UMTS Signaling; 2.3.8 The UMTS Network Elements; 2.4 Introduction to HSPA; 2.4.1 Introduction; 2.4.2 Wi-Fi; 2.4.3 Introduction to HSDPA; 2.4.4 Indoor HSPA Coverage; 2.4.5 Indoor HSPA Planning for Maximum Performance 2.4.6 HSDPA Coverage from the Macro Network2.4.7 Passive DAS and HSPA; 2.4.8 Short Introduction to HSPA+; 2.4.9 Conclusion; 2.5 Modulation; 2.5.1 Shannon's Formula; 2.5.2 BPSK; 2.5.3 QPSK - Quadrature Phase Shift Keying; 2.5.4 Higher Order Modulation 16-64QAM; 2.5.5 EVM Error Vector Magnitude; 2.5.6 Adaptive Modulation, Planning for Highest Data Speed; 2.6 Advanced Antenna Systems for HSPA+ and LTE; 2.6.1 SISO/MIMO Systems; 2.6.2 SISO, Single Input Single Output; 2.6.3 SIMO, Single Input Multiple Output; 2.6.4 MISO, Multiple Inputs Single Output; 2.6.5 MIMO, Multiple Inputs Multiple Outputs
2.6.6 Planning for Optimum Data Speeds Using MIMO2.7 Short Introduction to LTE; 2.7.1 Motivation behind LTE and E-UTRAN; 2.7.2 Key Features of LTE E-UTRAN; 2.7.3 System Architecture Evolution - SAE; 2.7.4 EPS - Evolved Packet System; 2.7.5 Evolved Packet Core Network - EPC; 2.7.6 LTE Reference Points/Interfaces; 2.7.7 The LTE RF Channel Bandwidth; 2.7.8 OFDM - Orthogonal Frequency Division Multiplexing; 2.7.9 OFDMA - Orthogonal Frequency Division Multiple Access; 2.7.10 SC-FDMA - Single Carrier Frequency Division Multiple Access; 2.7.11 LTE Slot Structure; 2.7.12 User Scheduling
2.7.13 Downlink Reference Signals2.7.14 The LTE Channel; 2.7.15 LTE Communication and Control Channels; 2.7.16 Radio Recourse Management in LTE; 3 Indoor Radio Planning; 3.1 Why is In-building Coverage Important?; 3.1.1 Commercial and Technical Evaluation; 3.1.2 The Main Part of the Mobile Traffic is Indoors; 3.1.3 Some 70-80% of Mobile Traffic is Inside Buildings; 3.1.4 Indoor Solutions Can Make a Great Business Case; 3.1.5 Business Evaluation; 3.1.6 Coverage Levels/Cost Level; 3.1.7 Evaluate the Value of the Proposed Solution; 3.2 Indoor Coverage from the Macro Layer
3.2.1 More Revenue with Indoor Solutions

Sommario/riassunto

Why is indoor coverage needed, and how it is best implemented? As the challenge of providing higher data speeds and quality for mobile applications intensifies, ensuring adequate in-building and tunnel coverage and capacity is increasingly important. A unique, single-source reference on the theoretical and practical knowledge behind indoor and tunnel radio planning, Indoor Radio Planning, Second Edition provides an overview of mobile networks systems and coverage solutions with GSM, UMTS, HSPA and LTE cellular systems technologies as a backdrop. All of the available solutions, from