1. Record Nr. UNINA9910139033103321 Autore Dunlop John, Prof **Titolo** Digital mobile communications and the TETRA system [[electronic resource] /] / John Dunlop, Demessie Girma, James Irvine Chichester, England;; New York,: Wiley, c1999 Pubbl/distr/stampa **ISBN** 1-118-83258-2 1-118-83259-0 Descrizione fisica 1 online resource (466 p.) Altri autori (Persone) GirmaDemessie **IrvineJames** Disciplina 621.3845 621.38450218 Soggetti TETRA (Standard) Mobile communication systems - Standards Digital communications - Standards Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Reprinted, with corrections, February 2000, May 2000. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover: Title Page: Contents: Preface: List of Abbreviations and Symbols: ABBREVIATIONS: 1. Principles of Digital Mobile Radio; 1.1 INTRODUCTION; 1.2 MODULATION METHODS; 1.3 FREQUENCY AND TIME DIVISION MULTIPLEXING; 1.4 ANALOGUE TO DIGITAL CONVERSION; 1.5 SPECTRAL PROPERTIES OF DIGITAL SIGNALS; 1.6 PULSE SHAPING; 1.7 DIGITAL MODULATION; 1.7.1 Amplitude Shift Keying (ASK); 1.7.2 Binary Phase Shift Keying (BPSK); 1.7.3 Differential Phase Shift Keving (DPSK): 1.7.4 Quaternary Phase Shift Keving (QPSK): 1.7.5 Offset QPSK (OQPSK); 1.7.6 Differential QPSK (DQPSK); 1.7.7 /4-**DQPSK** 1.7.8 Linear Amplifiers 1.7.9 Frequency Shift Keying (FSK); 1.7.10 Minimum Shin Keving (MSK): 1.7.11 MSK Considered in Tenns of Phase Modulation; 1.7.12 Bandwidth of GMSK; 1.7.13 m-ary Modulation; 1.8 PULSE SHAPING IN CARRIER MODULATED SYSTEMS; 1.9 BANDWIDTH

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Sommario/riassunto

TETRA is a system for mobile wireless communications and this is a highly topical and comprehensive introduction to the design and applications of TETRA systems including practical examples. TETRA is comparable in structure to the world-wide successful GSM system, however, individual features of TETRA are different, often more efficient and better designed than in GSM. TETRA is therefore providing an important source for the further development of standards for mobile telecommunications. This volume is timely and one of the first to cover TETRA and related subject areas. Features