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	Altri autori (Persone)	TannerRudolf
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	Nota di contenuto	WCDMA - Requirements and Practical Design; Contents; Preface; Acknowledgements; Abbreviations; 1 Introduction; 1.1 Evolution and Revolution of Mobile Telephony; 1.1.1 The Cellular Revolution; 1.1.2 The Growth of Cellular Technology; 1.2 The Third Generation Partnership Project; 1.2.1 3GPP Background; 1.2.2 3GPP Standardization Organization; 1.2.3 3GPP Standard Releases; 1.2.4 3GPP Standards Evolution; 1.3 3GPP Terminology; 1.4 The Journey of a Bit; 1.5 Structure of the Book; 2 RF and Baseband Processing; 2.1 Introduction; 2.2 UMTS Radio Requirements; 2.2.1 Receiver Performance Requirements
		2.2.2 Transmitter Performance Requirements2.2.3 Frequency Bands and Channel Arrangements; 2.2.4 Radio Architecture Overview; 2.3 Receiver RF Design; 2.3.1 Direct Conversion Receiver; 2.3.2 Direct Conversion and Even-Order Distortion; 2.3.3 Transmit Leakage and IP2; 2.3.4 Receiver Sensitivity; 2.3.5 Adjacent Channel Selectivity; 2.3.6 Blocking and IP3; 2.3.7 Spurious Emissions and LO Leakage; 2.4

| Sommario/riassunto | WCDMA (Wideband Code Division Multiple Access), an ITU standard derived from code division multiple access (CDMA) is officially known as IMT-2000 direct spread. WCDMA is a third generation mobile wireless technology offering much higher data speeds to mobile and portable wireless devices than commonly offered in today's market. WCDMA is a relatively new technology and there is little information in the public domain about specific design issues. The proposed book will discuss UMTS/WCDMA from the perspective of a potential development engineer, who may have experience of GSM but none of WCDMA |