



## Electronics for microwave backhaul /

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Monografía

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**Contenido:** Electronics for Microwave Backhaul; Contents; Foreword; Preface; Acknowledgments; 1 Introduction; 1.1 The Mobile Evolution; 1.1.1 Services; 1.1.2 Numbers; 1.2 Mobile Networks and Backhaul; 1.2.1 What Is the Backhaul?; 1.2.2 How Does the Mobile Evolution Influence the Backhaul?; 1.2.3 Microwave Backhaul; 1.3 Transport Networks; 1.3.1 Plesiochronous Digital Hierarchy; 1.3.2 Synchronous Digital Hierarchy; 1.3.3 Asynchronous Transfer Mode; 1.3.4 Ethernet Protocol; 1.3.5 Synchronization; 1.4 Link Dimensioning; 1.4.1 Reliability Objectives; 1.4.2 Point-to-Point Propagation; 1.4.3 Fading 1.4.4 Interference 1.5 Description of Chapters; References; 2 Evolution of Microwave Radios; 2.1 Introduction; 2.2 Microwave versus Wired; 2.2.1 Benefits and Disadvantages of Microwave; 2.3 The Historical Evolution of Radio Links; 2.3.1 Microwave Pioneers; 2.3.2 Early Years from the 1920s to the 1940s; 2.3.3 The Microwave Industry; 2.3.4

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