Cover page Sushanth Babu Maganti Kishan Rao Kalitikar Performance Analysis of WCDMA Systems with High Speed Networks An insight on Modern Cellular Communications PIF

Content page

		AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM
8		
CONTENTS		
LIST OF FIGURES	8	
LIST OF TABLES	14	
LIST OF ACRONYMS	18	
LIST OF SYMBOLS	-19	
CHAPTER 1: INTRODUCTION	21	
	27	
1.1. Literature Survey	30	
1.2. Motivation to Research Work	33	CF
I.3. Scope of work & Contributions	34	
1.4. Organization of Thesis	35	
CHAPTER 2: PROPAGATION CHARACTERISTICS OF MOBILE		
RADIO CHANNELS	38	
2.1. Wireless Channels	39	
2.2. Channel Impairments	39	
2.2.1. Thermal Noise	40	
2.2.2. Inter-Modulation	40	
2.2.3. Inter-Symbol Interference	41	
2.2.4. Attenuation	42	
2.2.5. Doppler Shift	45	
2.2.6. Delay Spread	43	
2.3. Multi-path Fading	45	
2.4. Large Scale fading in Mobile radio propagation	46	
2.4.1. Path loss	46	
2.4.2. Prec space path loss	47	
2.4.3. Log-normal shadowing	49	
CO-MA MODIFICATION CONTRACTOR CON		
		110

First page

## PERFORMANCE ANALYSIS OF WCDMA SYSTEM WITH HIGH SPEED NETWORKS

By

## Prof.M.SUSHANTH BABU

Professor of Electronics & Communication Engineering Jayamukhi Institute of Technological Sciences, Warangal, Telangana, INDIA.

## Prof.K.KISHAN RAO

Professor of Electronics & Communication Engineering Director, Vaagdevi Group of Technical Institutions, Warangal, Telangana, INDIA