MEASURED AND SIMULATION PERFORMANCE OF A WIRELESS LAN IEEE 802.11b

by

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ABSTRACT

Wireless technology is the method of delivering data from one point to another without using physical wires, and includes radio, cellular, infrared, and satellite. Wireless LANs offers more than just flexibility and mobility, the benefits of wireless networking is unquestionable. Implementing wireless network gains in process efficiency, accuracy and lower business costs.

In this project report, the main discussion focused on deployment of infrastructure basic service set of the wireless LAN architecture. Networking in experimented in two methods. Virtual networking is done through modeling in a Virtual Network Environment (VNE) called OPNET Modeler. In actual deployment approach Access Points (APs) are set up by the user themselves. This project report introduces WLAN architecture and layers in general towards understanding how and what determines the performance of the most deployed standard today IEEE 802.11.

TABLE OF CONTENTS

CHAPTER			PAGE
DECLARATION			i
ACKNOWLEDGMENTS			ii
ABSTRACT			iv
LIST OF ABBREVIATION			v
TABLE OF CONTENTS			viii
LIST OF FIGURES			xii
LIST OF TABLES			xv
1	INTRODUCTION		2
	1.1	Introduction	2
	1.2	Background Study	2
	1.3	Objectives	3
	1.4	Project Overview	3
2	WIRELESS LAN		6
	2.1	Introduction	6
	2.2	Benefits Of Wireless Networking	7
		2.2.1 Mobility And Process Efficiency	8
		2.2.2 Installation In Difficult-To-Wire Areas	8
		2.2.3 Increased Reliability	8
		2.2.4 Reduced Installation Time	9
		2.2.5 Long Term Cost Savings	9
	2.3	Wireless LAN Technologies	9
		2.3.1 Bluetooth	9
		2.3.2 HomeRF	11

2.3.3 High Performance Radio LAN 12
2.4 Wireless LAN Architecture 13
3 IEEE 802.11 16
3.1 Understanding Wireless LAN..... 16
3.1.1 Layer 1: The Physical Layer 17
3.1.2 Layer 2: The Data-Link Layer 18
3.1.3 Layer 3: The Network Layer 19
3.1.4 Layer 4: The Transport Layer 19
3.1.5 Layer 5: The Session Layer 20
3.1.6 Layer 6: The Presentation Layer 21
3.1.7 Layer 7: The Application Layer 22
3.2 IEEE 802 LAN Standards Family 22
3.3 IEEE 802.2 LLC Overview 23
3.4 IEEE 802.2 LLC Services..... 25
3.4.1 Unacknowledged Connectionless Service 27
3.4.2 Connection Oriented Service 28
3.4.3 Acknowledged Connectionless Service 32
3.5 LLC/MAC Layer Service Primitives..... 32
3.6 Introduction To The IEEE 802.11 Standard..... 33
3.7 802.11 ARCHITECTURE..... 36
3.7.1 Frequency Hopping Spread Spectrum (FHSS) 36
3.7.2 Direct Sequence Spread Spectrum (DSSS) 39
3.7.3 Infrared (IR) 40
3.7.4 802.11 Medium Access Control (MAC) 41
3.8 IEEE 802.11 Topology 45
3.8.1 Independent BSS (IBSS) Networks 45
3.8.2 Extended Service Set (ESS) Networks 47
4 WIRELESS NETWORK REQUIREMENT 51