LIST OF FIGURE

Figure 2.1	Full-duplex Illustration [6]	.5
Figure 2.2	Self-interference in the single-channel full-duplex wireless communications	6
Figure 2.3	Schematic of a SIMO system [18]	8
Figure 2.4	Schematic of a 1×2 SIMO-SC System Utilizing MRC over Frequency - Selective Channels [18]	8
Figure 2.5	Transmitter Model of MC-CDMA [21]	.9
Figure 2.6	Block diagram of MC-CDMA transmitter [21]	10
Figure 2.5	Block diagram of MC-CDMA receiver [21]	10
Figure 2.8	Block diagram Modulator and demodulator SC-CDMA	11
Figure 2.9	Mutual coupling illustration[8]	12
Figure 3.1	Flowchart of the process	.21
Figure 3.2	Self Interference (Leakage & Mutual Coupling) on SIMO Systems with 4	
	user single antenna, 1 user reviewed, other user as interferer	17
Figure 3.3	Block Diagram of Uplink MC-CDMA System user single antena	18
Figure 3.4	Receiver of Uplink MC-CDMA System Multiple antena	.18
Figure 3.5	Jakeøs Model [16]	22
Figure 4.1	Effect of Self Interferce (leakage) with no leakage interference (LI=0)	.24
Figure 4.2	Effect of Self Interferce (lekage) with leakage interference (LI=1)	.25
Figure 4.3	Effect of Self Interferce (lekage) with various leakage interference	26
Figure 4.4	Comparison chart of BER vs Interference Reduction (%)	27
Figure 4.5	Comparison chart of BER vs Eb/N0 for system with no effect of Self Interferce and	d
	with effect of mutual coupling	28
Figure 4.6	Comparison Chart of BER vs. Eb/No Full Duplex Single Channel SIMO	
at	Different Number of Users	30
Figure 4.7	Comparison Chart of BER vs. Eb/No Full Duplex Single Channel SISO	
an	d SIMO at Different Number of Users	31