SYMBOLS

B	bandwidth
C	channel capacity
c	light speed
E_0	average of fading channel
f	frequency
f_m	maximum Dopler frequency
$f(x;\sigma)$	probability density function
H	channel matrix
H_{mc}	self interference based on mutual coupling
H_{LI}	self interference signal matrix%
H_{NI}	mutual interference matrix
h_I	real part sum of the complex oscillators
h_Q	imaginary part sum of the complex oscillators
λ	wavelength
L	free space loss
M_R	number of receiver
N_T	number of transmitter
n	noise AWGN
R	distance between tranmitter and receiver
S	symbol matrix
y	received signal
ω_m	angular frequency for the m-th plane wave
ω_d	angular frequency Doppler shifted
ϕ_n	phase of the n-th Dopler shifted
θ_m	angle of arrival for the m-th plane wave
ρ	average SNR
σ	magnitude of Jake's channel (scale parameter)

Dedicated to my family, my friends, my university, and my beloved country