Exp9: Flat Fading

Channel

Prob vs Th (M=5)

Legend: SC — MRC — Ch0 — Ch1 — Ch2 — Ch3 — Ch4

Legend: SC — MRC

LCR vs Th

ADF vs Th

Legend: SC_Exp — SC_Theor — MRC_Exp — MRC_Theor

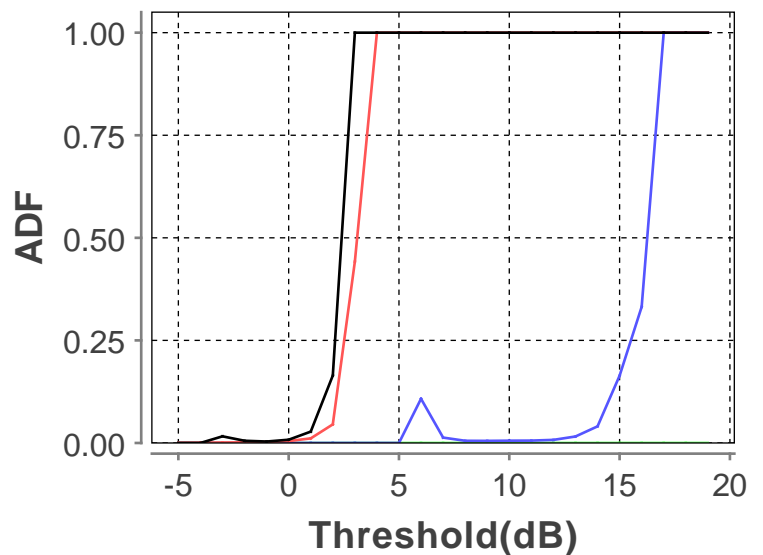Legend: SC_Exp — SC_Theor — MRC_Exp — MRC_Theor
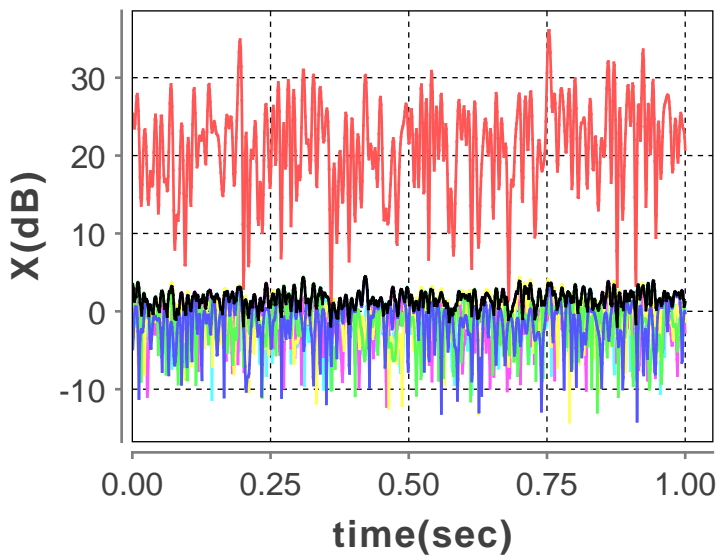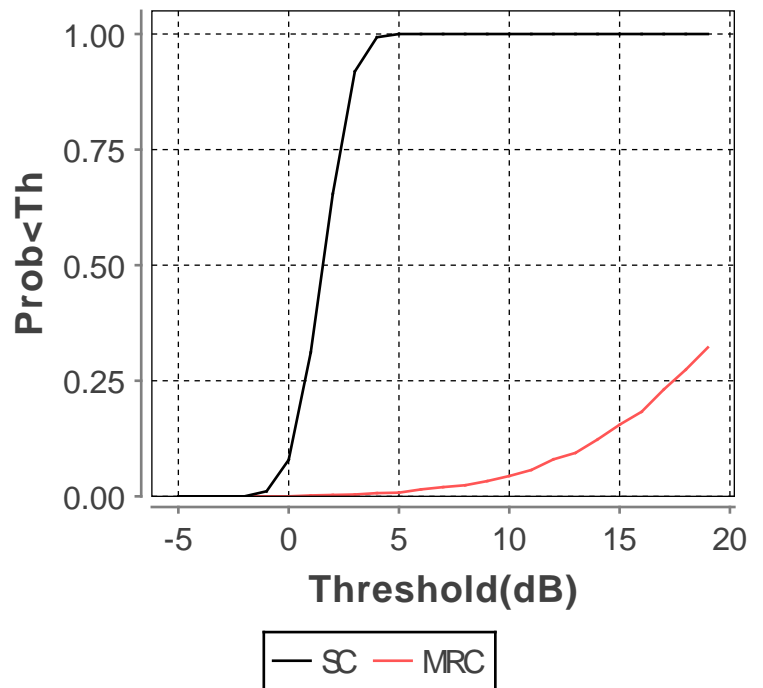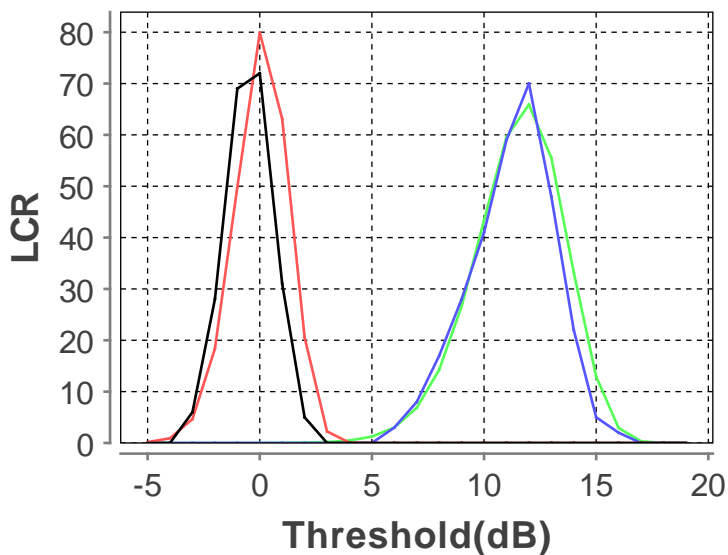
Input Parameters

Input Parameters	
No.of Multipaths	100
No.Samples	1000
Sampling Time(sec)	0.001
fc(Hz)	9.0E8
Velocity(mps)	20.0
Threshold(dB)	0.0
No.of Branches	5
Avg SNR(dB)	5.0

Results

Type	LCR(Exp)	LCR(Th)	ADF(Exp)	ADF(Th)
SC(Actual)	72.0	79.9092	0.0079	0.0046
SC(Entered)	0.0	0.0	0.0	0.0
MRC(Actual)	0.0	0.0079	0.0	-
MRC(Entered)	0.0	0.0	0.0	-

Discussion:

Enter your discussion here....

(Signature of   )

(Signature of Faculty)