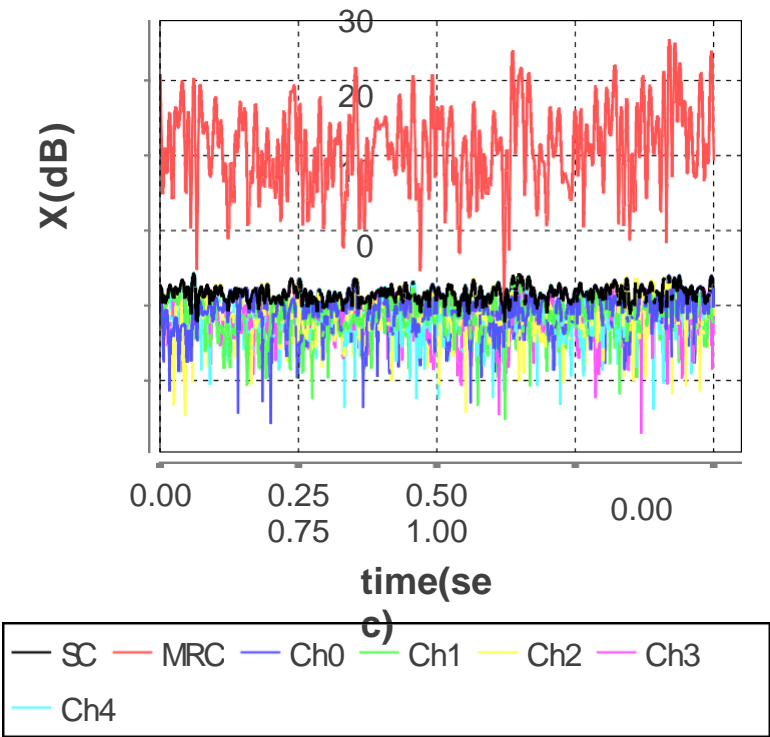
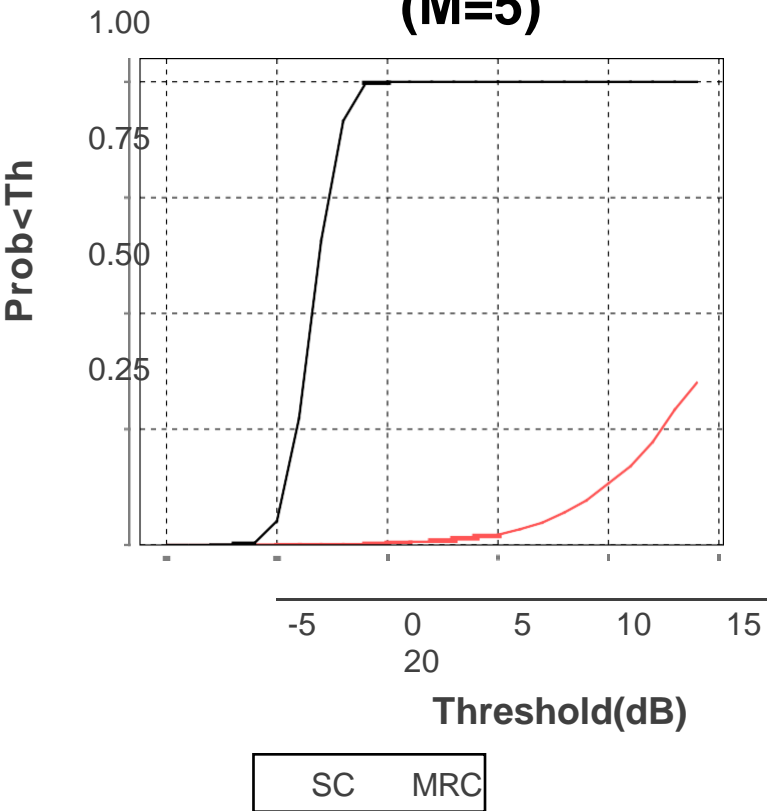


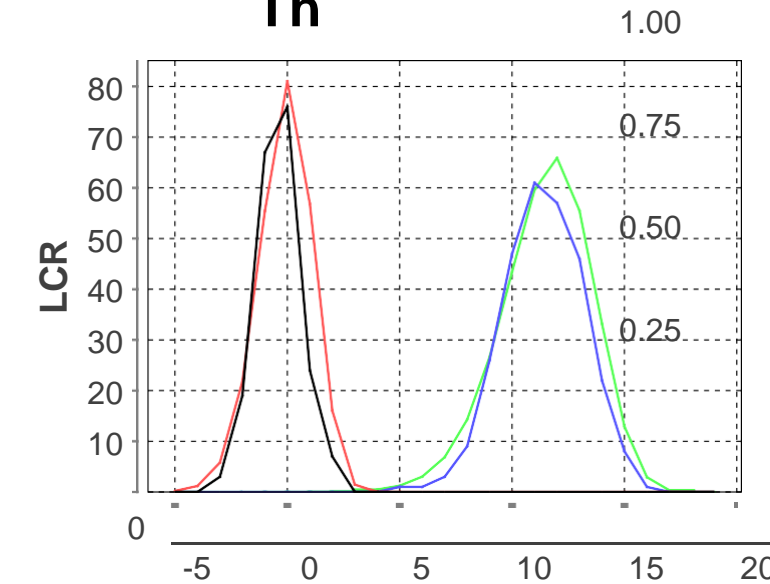
Channel



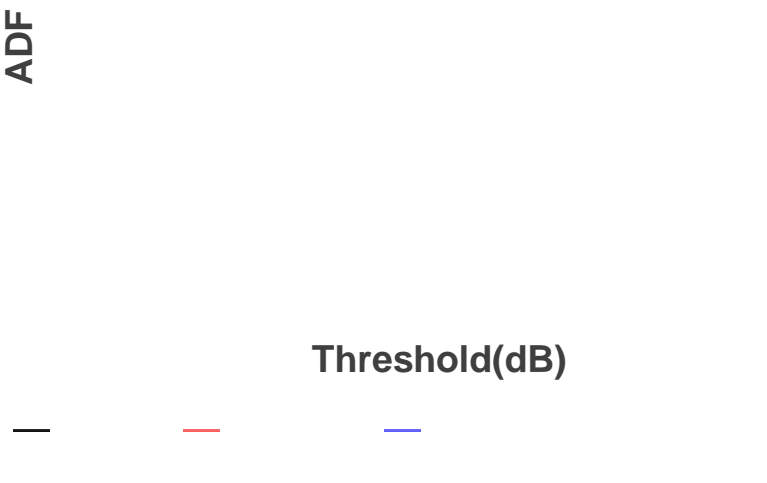
Prob vs Th
(M=5)

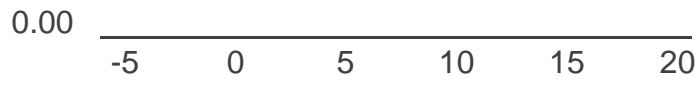


LCR vs
Th



ADF vs Th





SC_Exp	SC_Theor	MRC_Exp	SC_Exp	SC_Theor	MRC_Exp
MRC_Theo			MRC_Theo		
r			r		

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)	76.0	81.0383	0.0076	0.0051
SC(Entered)	75.0	73.0	0.0073	0.0036
MRC(Actual)	0.0	0.0079	0.0	-
MRC(Entered)	0.0	0.007	0.0	-

Discussion:

The entered and actual values for LCR and ADF are provided for both SC and MRC scenarios.

In SC, the entered LCR is slightly higher than the actual value, whereas the entered ADF is relatively close to the actual value.

For MRC, the entered and actual values for LCR match, but there are no actual values provided for ADF.

(Signature of BETC14 SAMRUDH

DESHPANDE)

(Signature of Faculty)