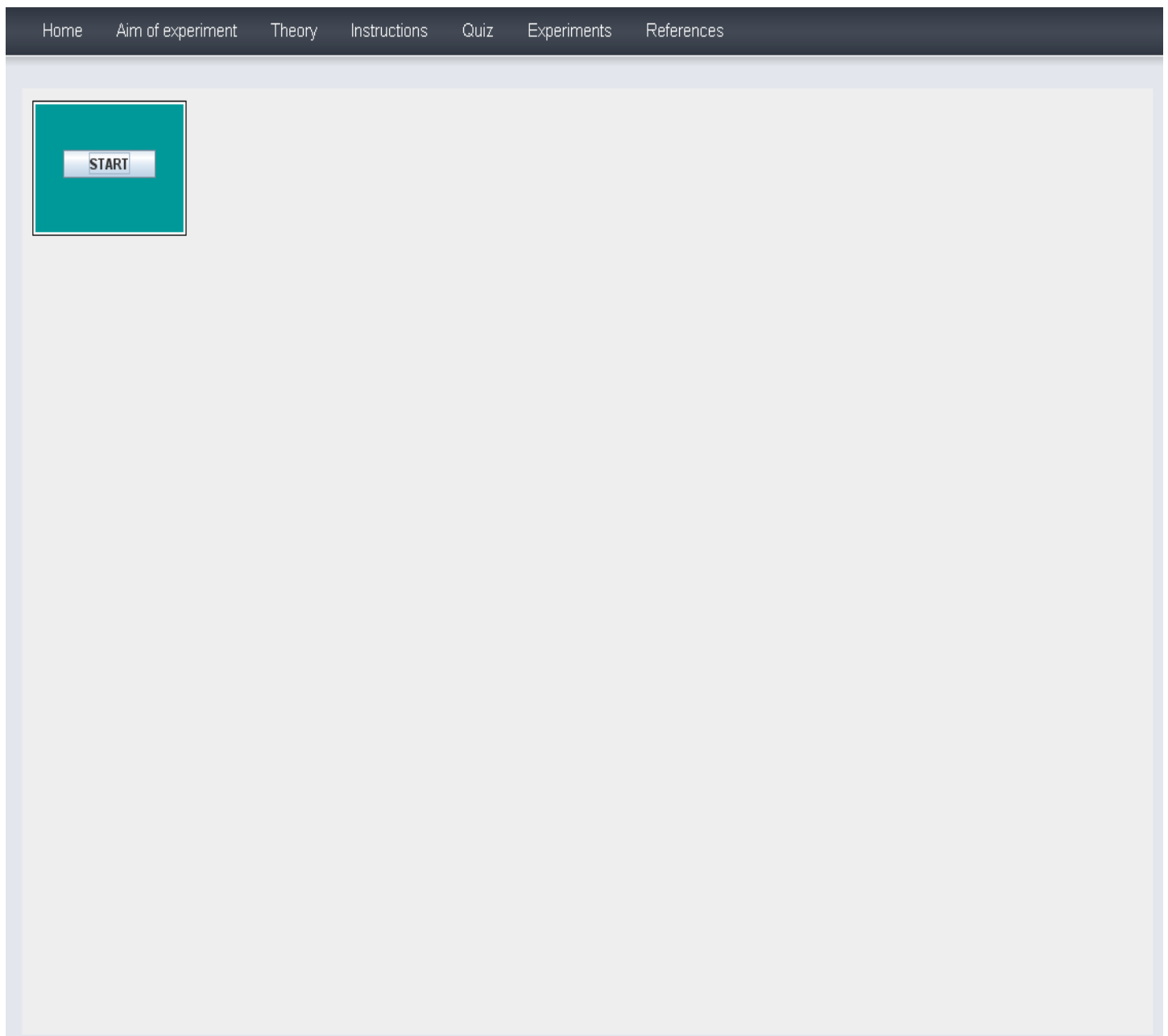


1 Instructions for Experiment 9:-Flat Fading.

Follow the instructions given below to perform the experiment:-

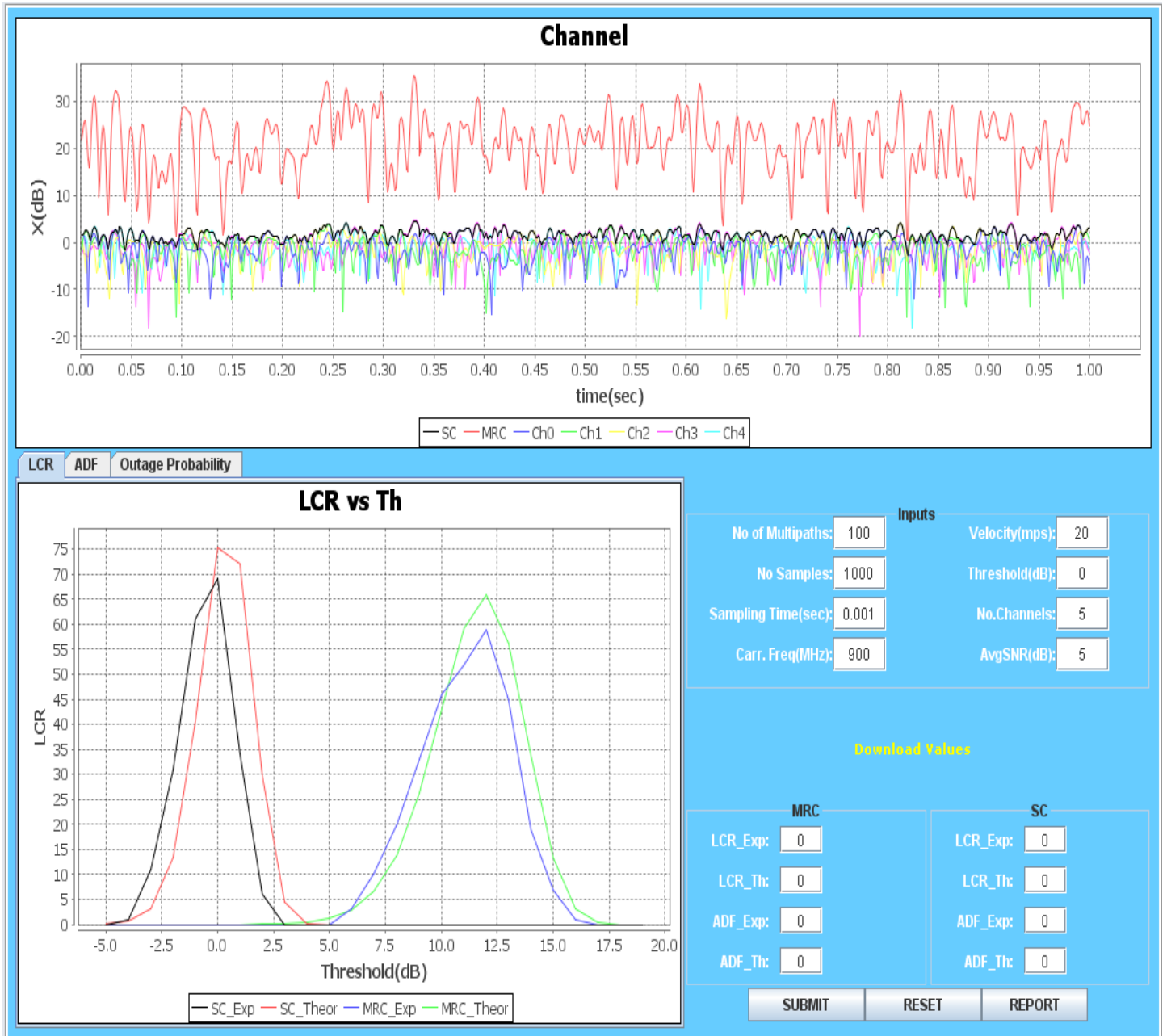
1.1 Starting Experiment 9 :-

- Step1:- Click on the button START. A page appears with a dialogue box asking for your name.

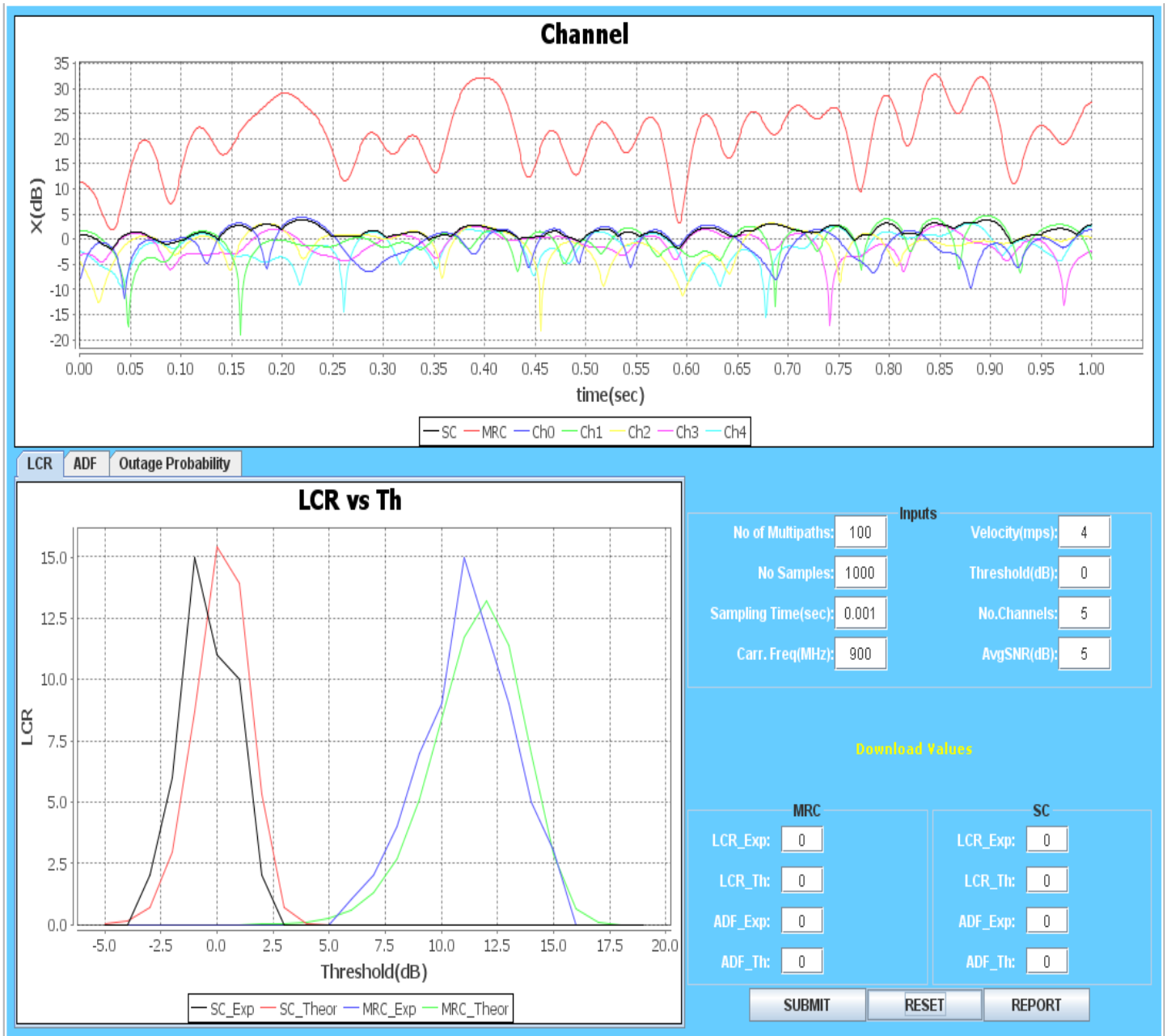


- Step 2:- Enter your name then Click Ok.

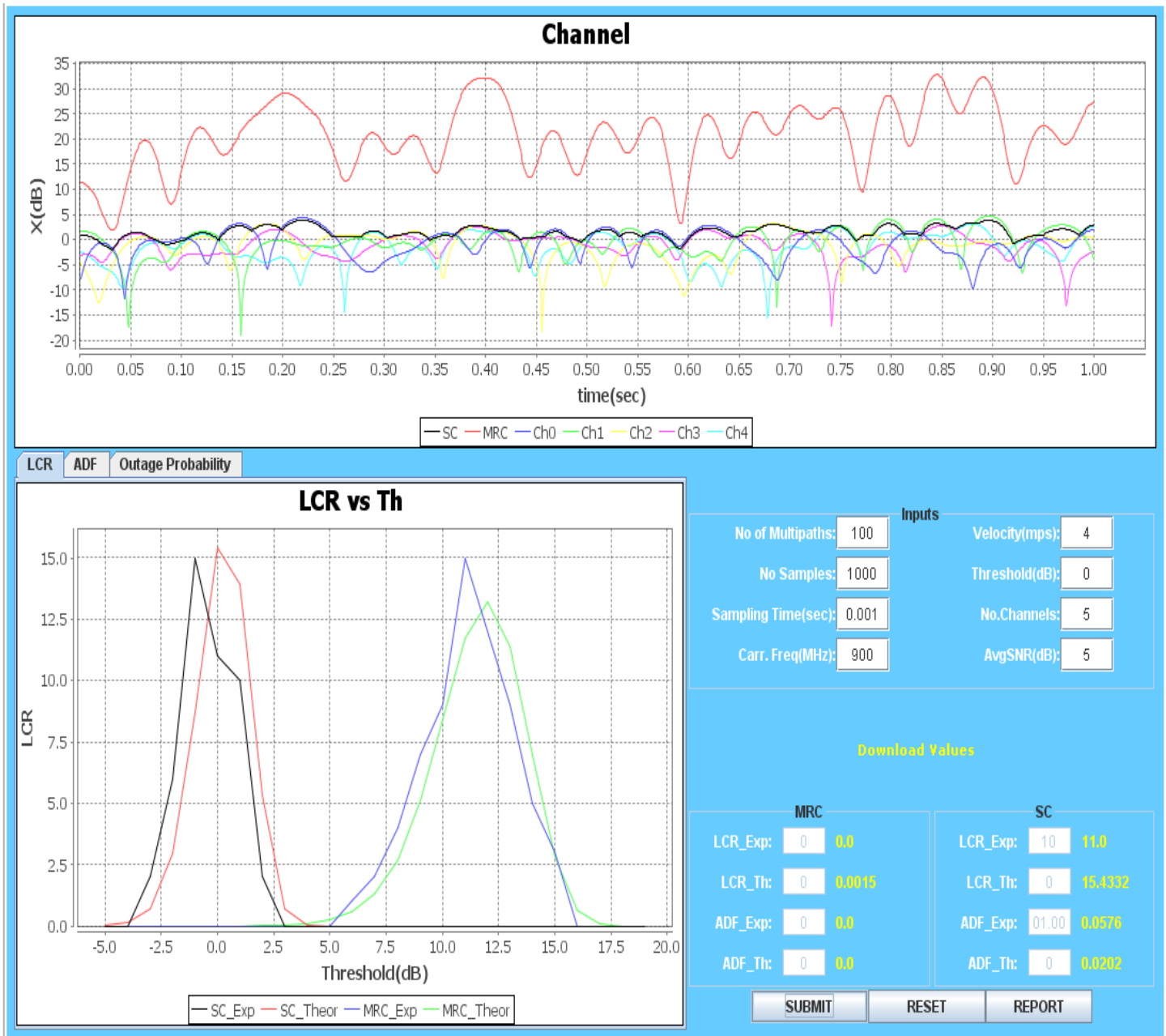
An "Input" dialog box with a green title bar and a close button (X) in the top right corner. The dialog contains a green question mark icon, the text "What is your name?", a text input field containing "Goutam", and two buttons labeled "OK" and "Cancel".



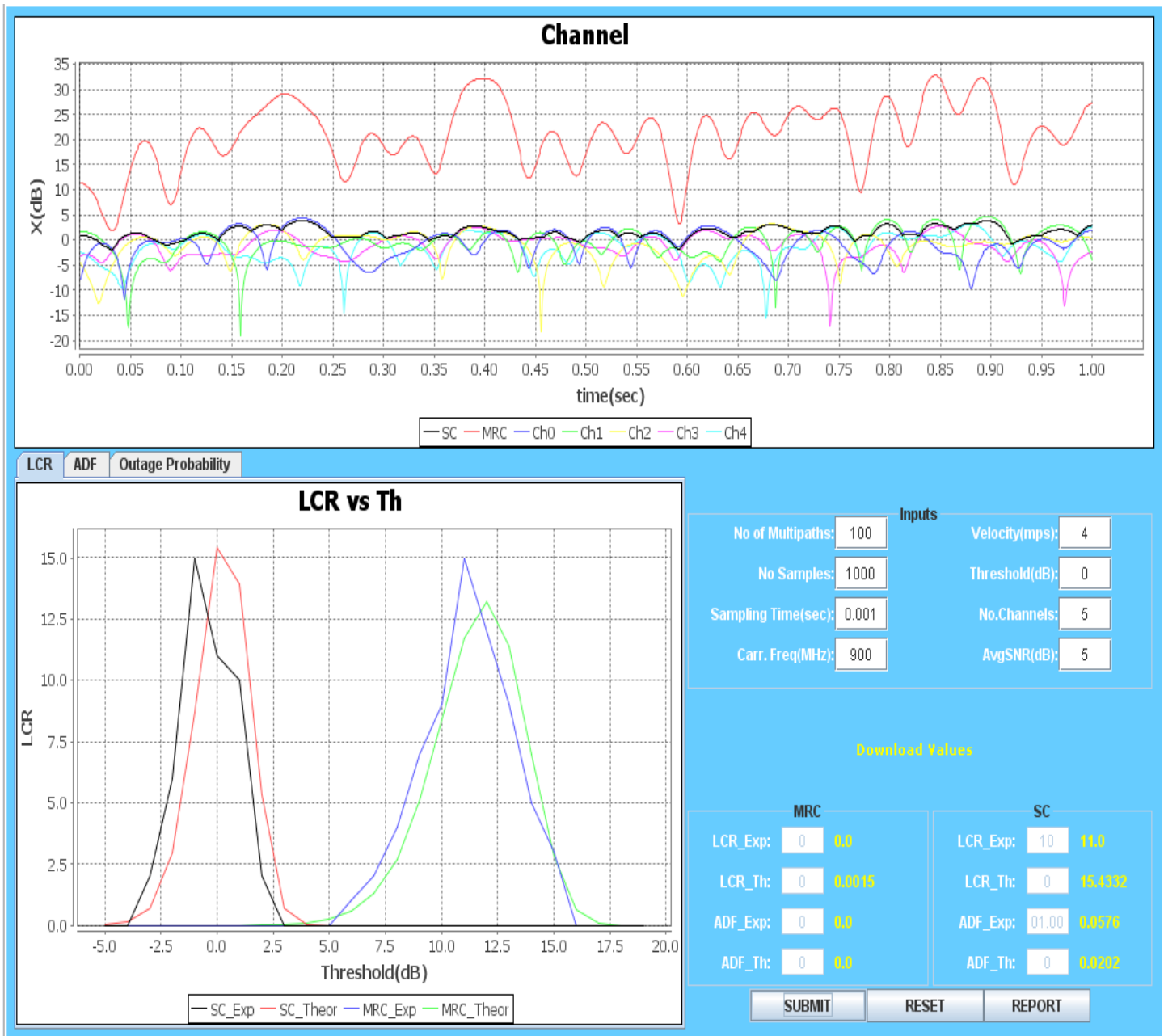
- Step3:- Enter the input parameters value. Then click on "RESET" Button.Observed the waveform.



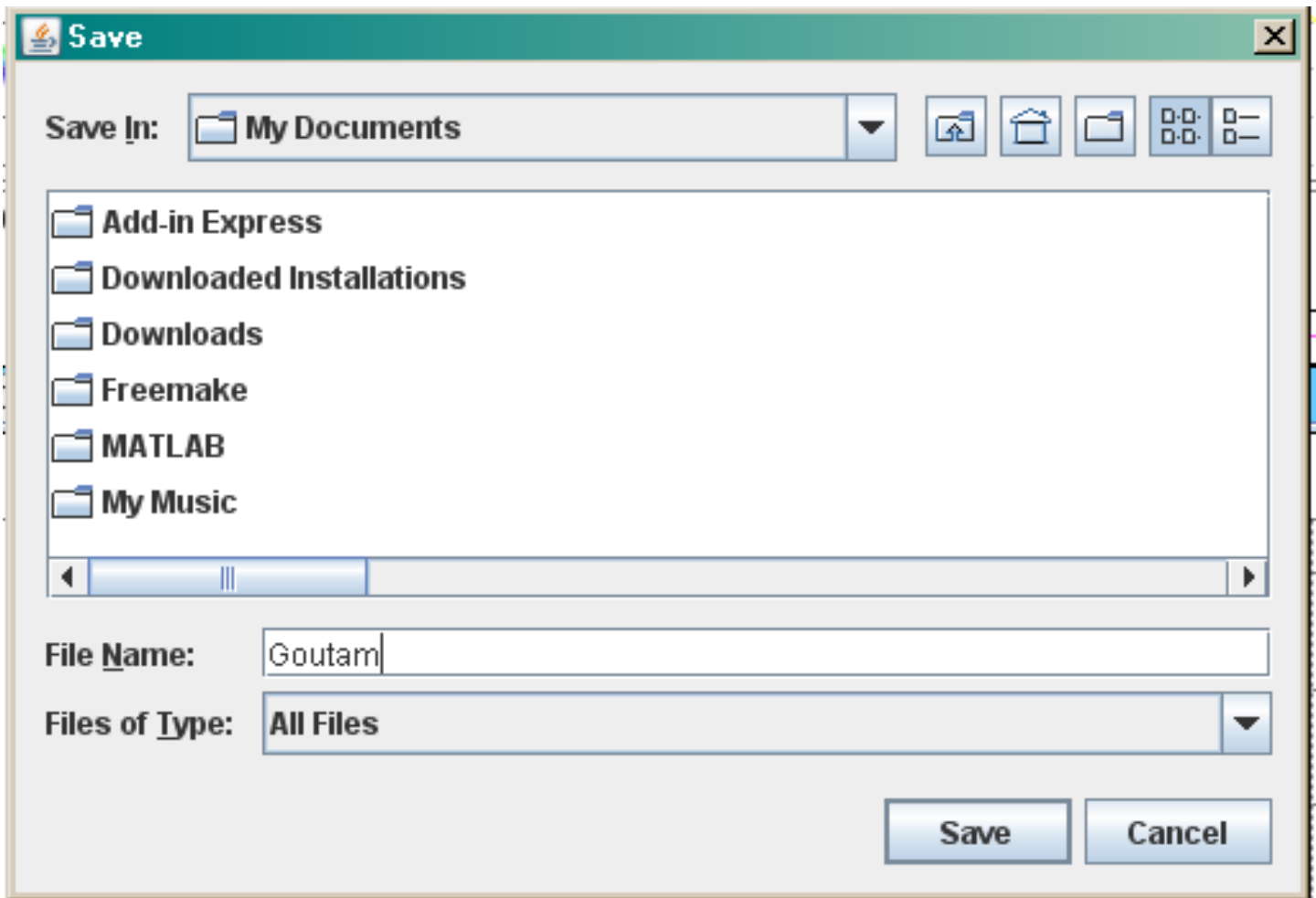
- step4:- Enter value of LCR Exp and ADF Exp in both MRC and SC from the waveform. Then Click on "SUBMIT" Button.



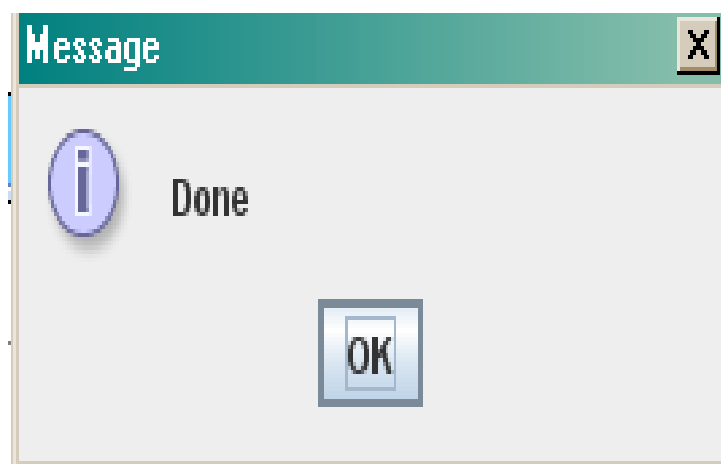
- step5:- Click on the "Report" button.



- Step6:- PDF report of the experiment is generated.



- Step7:-After generation of the Report you will get following message.



- Step8:- Click on the "Ok" and you will get your Report.

Fading Channels & Mobile Communications

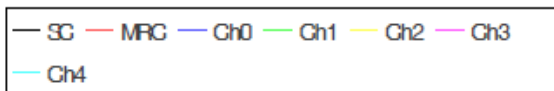
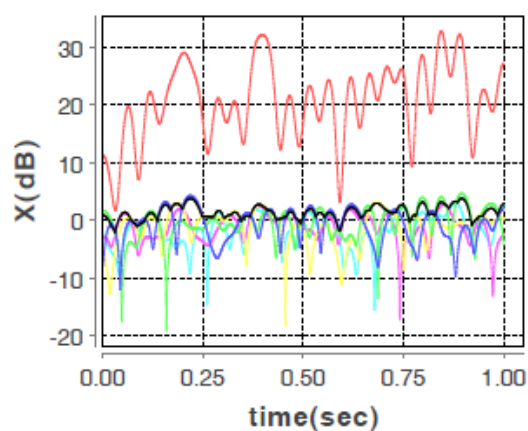
IIT Kharagpur

Date: Nov/5/2012

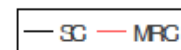
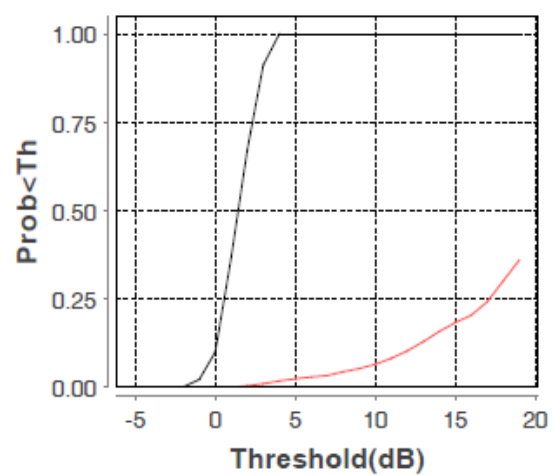
Exp9: Flat Fading

Name: GOUTAM

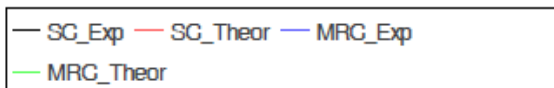
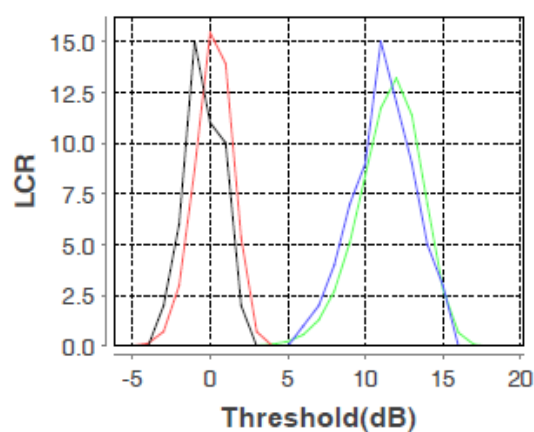
Channel



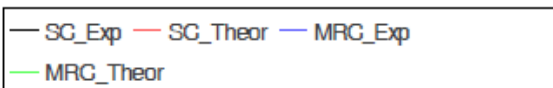
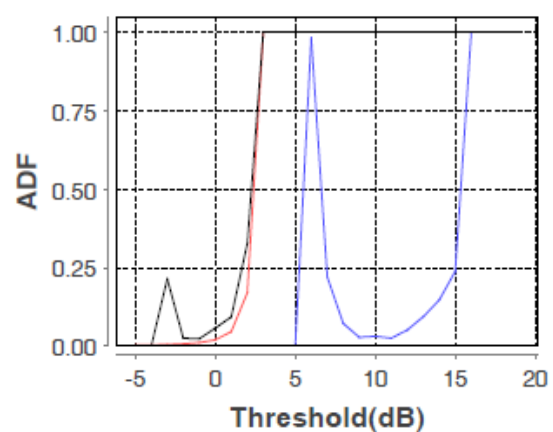
Prob vs Th (M=5)



LCR vs Th



ADF vs Th



Input Parameters				
No.of Multipaths		100		
No.Samples		1000		
Sampling Time(sec)		0.001		
fc(Hz)		9.0E8		
Velocity(mps)		4.0		
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)	11.0	15.4332	0.0576	0.0202
SC(Entered)	10.0	0.0	1.0	0.0
MRC(Actual)	0.0	0.0015	0.0	0.0
MRC(Entered)	0.0	0.0	0.0	0.0

(Signature of GOUTAM)

(Signature of Faculty)

- Step9:- To Redo the experiment click on "RESET" button.