1 Instructions for Experiment 10:-Frequency Selective Fading.

Follow the instructions given below to perform the experiment:-

1.1 Starting Experiment 10 :-

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

Start	

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

Start		
	Input	
	What is your name? Goutam OK Cancel	



• Step3:- Click on "RESET" button and enter the values of the parameter given here, then click on the "SUBMIT' button.



- Channel Impulse Response(Real+Img) Channel Impulse Response(Magnitude) Power Delay Profile PDP: UMi(LoS) V Channel Impulse Response(Mag) 📃 Plot Windows Reset 0 -5 0.1004 RMSDelay(uS) MEDelay(uS) 0.1161 (ap) -10 -15 Bc(>0.5) MHz 1.992 Bc(>0.9) MHz 0.1992 -20 Max. Tow(uS) 0.42 -25 Submit 0.15 0.20 0.25 0.35 0.00 0.05 0.100.30 0.40 tow(uS) Report ➡ UMi(LoS) Bc(>0.5) MHz Bc(>0.9) MHz Environment Mean Excess Delay(uS) RMS Delay(uS) Max. Tow(uS) UMi(LoS) Actual:0.1161 Entered:1 Actual:0.1004 Entered:1 Actual:1.992 Entered:1 Actual:0.42 Entered:1 Actual:0.1992 Entered:1 UMi(NLoS) UMa(LoS) UMa(NLoS) Rural Macro(LoS) Rural Macro(NLoS) Suburban Macro(LoS) Suburban Macro(NLoS) Suburban Macro(Outdoor-In...
- step4:- To generate the Pdf report click on the "REPORT' button.

• step5:- Enter your file name then Click on the "Save" button.

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• Step6:- After generation of the Report you will get following message.



• Step7:-Click on the "Ok" and you will get your Report.

Fading Channels & Mobile Communications IIT Kharagpur Date: Dec/6/2012

Exp10: Frequency Selective Fading Name: GOUTAM

Results							
Environment	Mean Excess Delay(uS)	RMS Delay(uS)	Bc(>0.5)MHz	Bc(>0.9)MHz	Max.Tow(uS)		
UMi(LoS)	Actual:0.1161 Entered:1	Actual:0.1004 Entered:1	Actual:1.992 Entered:1	Actual:0.1992 Entered:1	Actual:0.42 Entered:1		
UMi(NLoS)							
UMa(LoS)							
UMa(NLoS)							
Rural Macro(LoS)							
Rural Macro(NLoS)							
Suburban Macro(LoS)							
Suburban Macro(NLoS)							
Suburban Macro(Outdoor- Indoor)							

(Signature of GOUTAM)

(Signature of Faculty)

• Step8:- To Redo the experiment click on "RESET" button.