





















 Experimental Results Experimental setup of a two-host network 	
Local & external PIC service times for the two hosts	Exponential with average service time of 4 ms
Service time of the service provider, in the high/low speed state, host 1 / host 2	Exponential with average service time of 7 ms / 12 ms
The distance between to hosts	Initially at 200ft, changed based on the Normal distribution wi the speed of 10 ft per second
Initial battery energy, host 1 / host 2	155,000 mJ /150,000 mJ
PIC power dissipation, host 1 / host 2	Local 0.10 W / 0.11 W, external 0.09 W / 0.10 W
SP power dissipation, host 1 / host 2	busy1: 0.125 W / 0.100 W, busy2: 0.500 W / 0.400 W, idle: 0.125 W / 0.125 W, sleep: 0.066 mW /0.066 mW
SP switching energy, in the two hosts	busyl to idle1, vice versa: 0 busyl to idle2, vice versa: 0 idle1 to idle2, vice versa: 0.05 mJ idle1 to sleep, vice versa: 0.20 mJ
Maximum SQ length, in the two hosts	8 requests













