



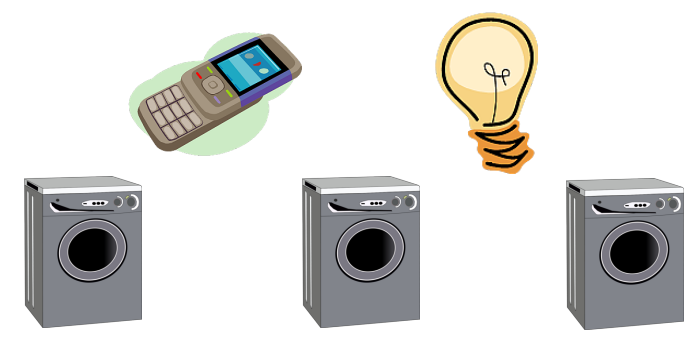
Bits and Watts: Improving energy disaggregation performance using power line communication modems

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Wasn't Energy disaggregation already solved?

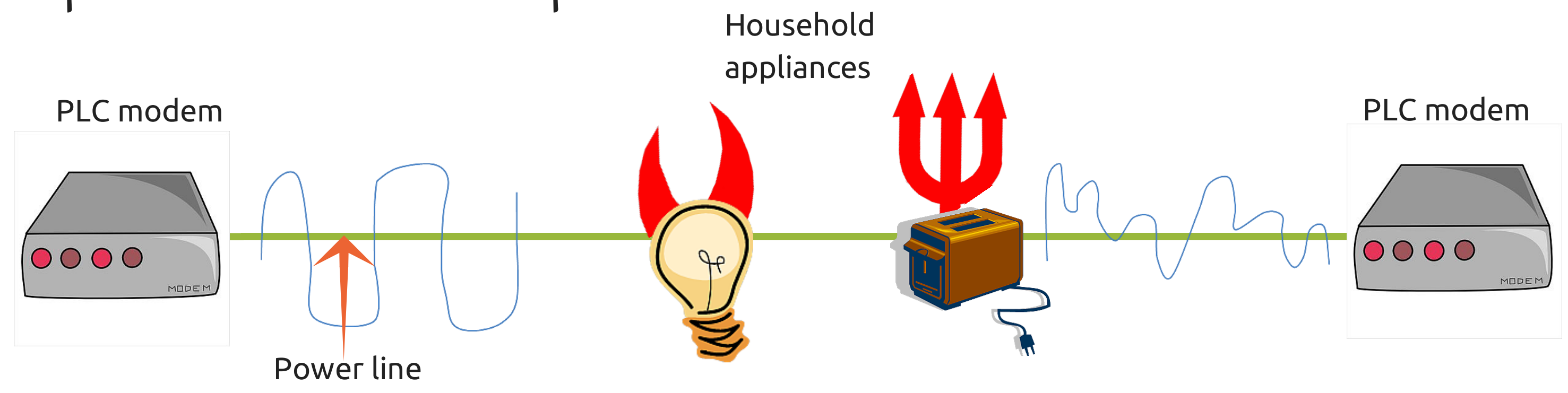
-  Disaggregating low power appliances
-  Multiple instances of similar appliance



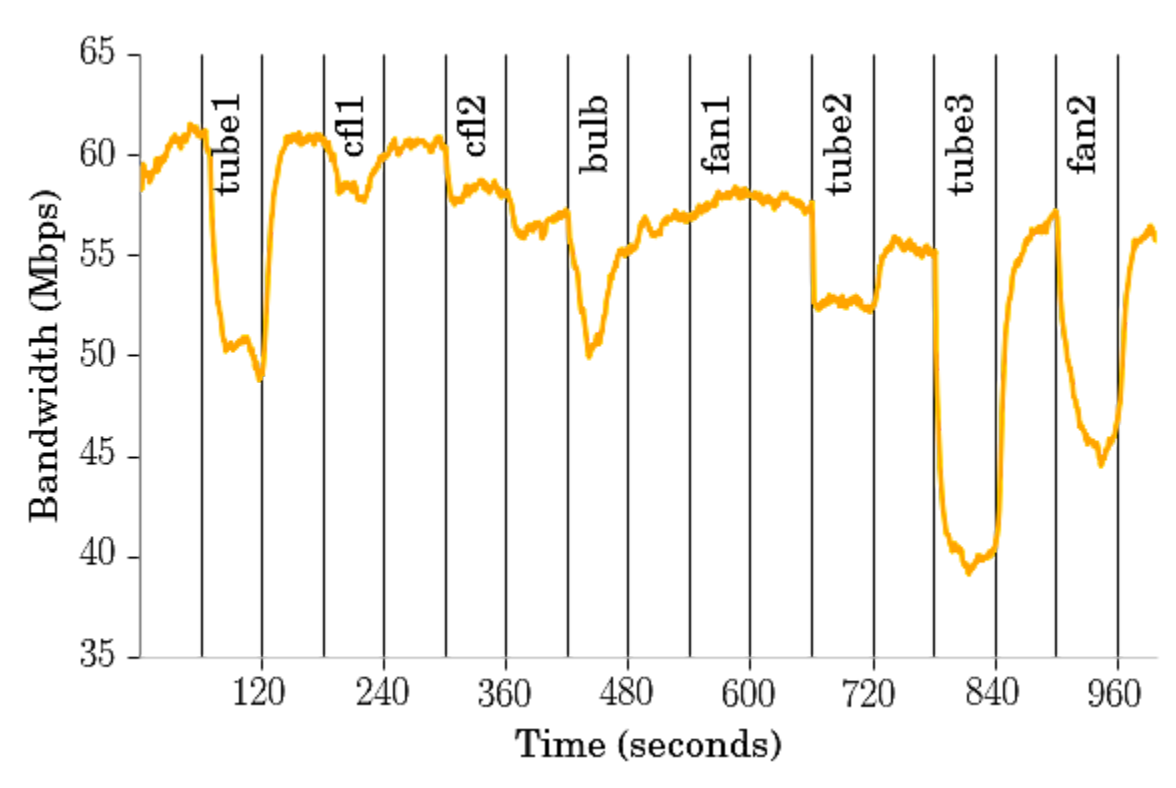
Why Powerline Communication (PLC) Modems?

-  PLC network throughput is affected by appliance usage
-  Cheap, easily available and easy to use

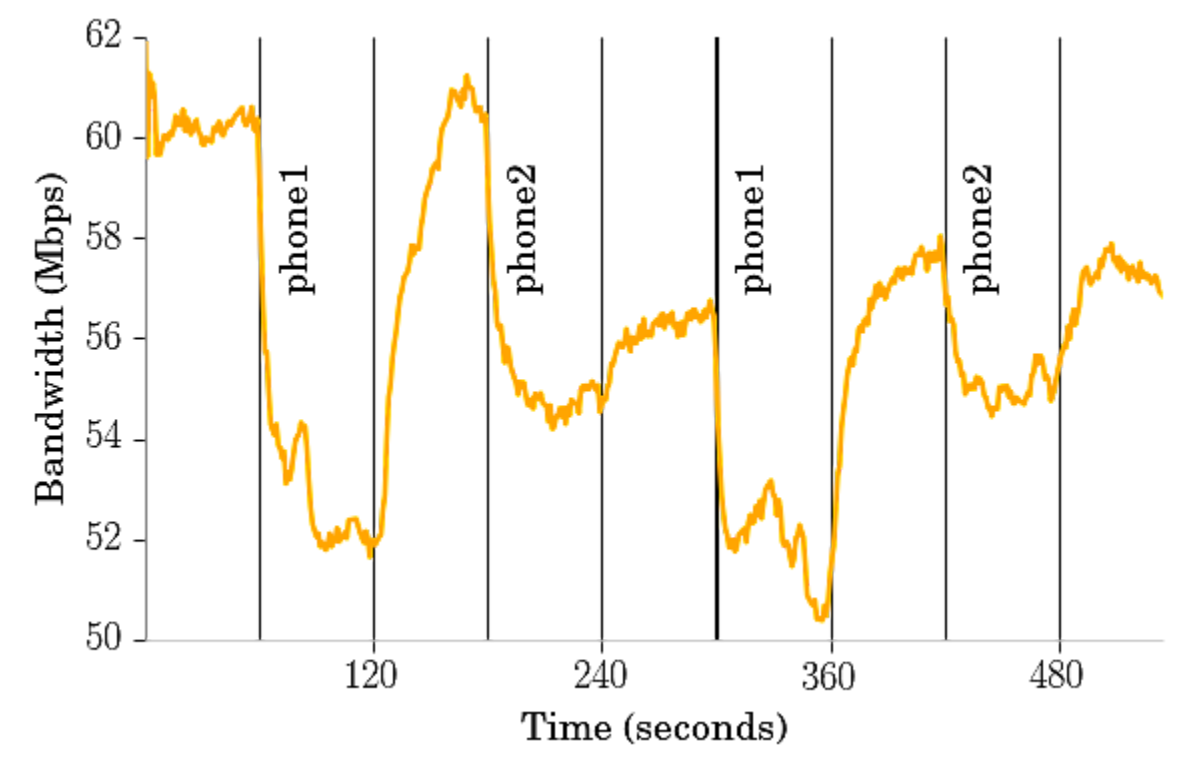
Experimental setup



Results



Low power appliances also give distinctive signature



Multiple instance of same appliance can be distinguished