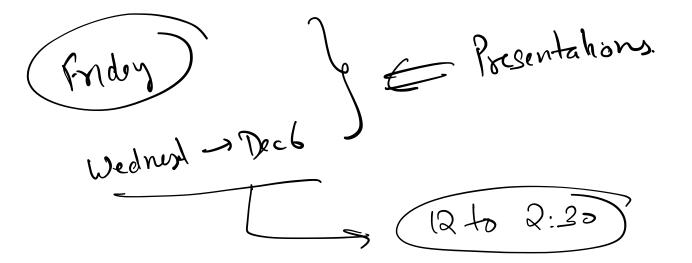
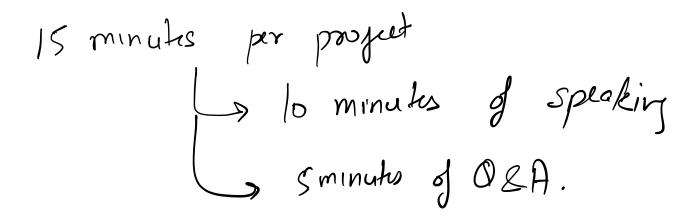
IoT on Insects → Budgets → Communication -> Localization -> Limitations -> Evaluations

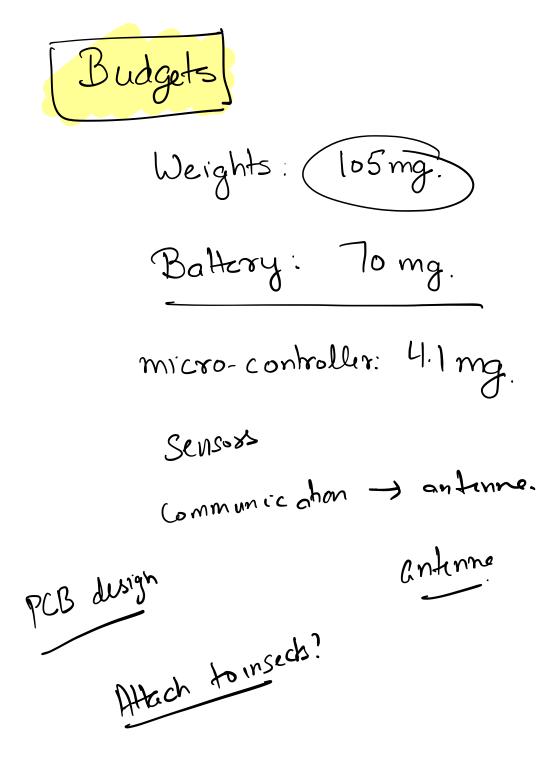




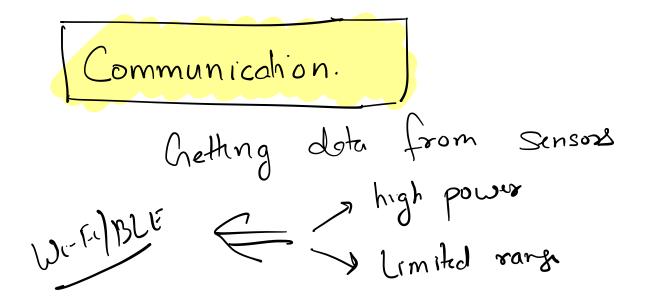


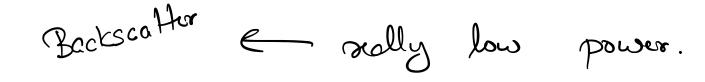


insects fly for N no botherics insect have a sensory capabilities. ubr qui tous



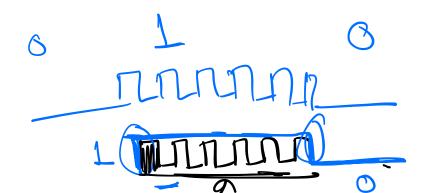
Attaching shuff.





pp, close to the how. + transmits norrow band signal insect device reflects this signal ON-OFF Krying 

Problem 900 MM2 of reflechng 902MHze Shift forg. by 2MH2 passfilter. » band coste pour



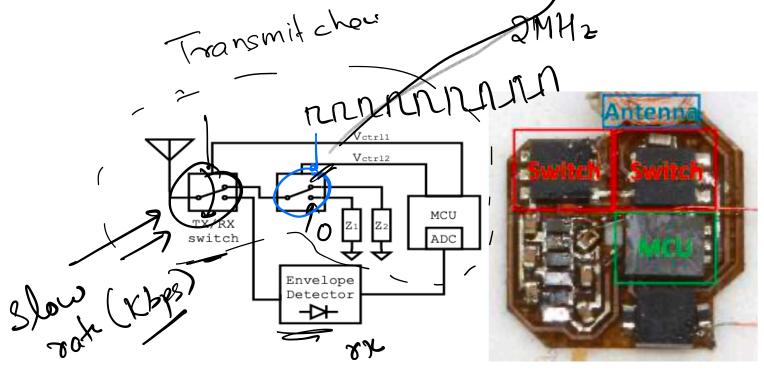
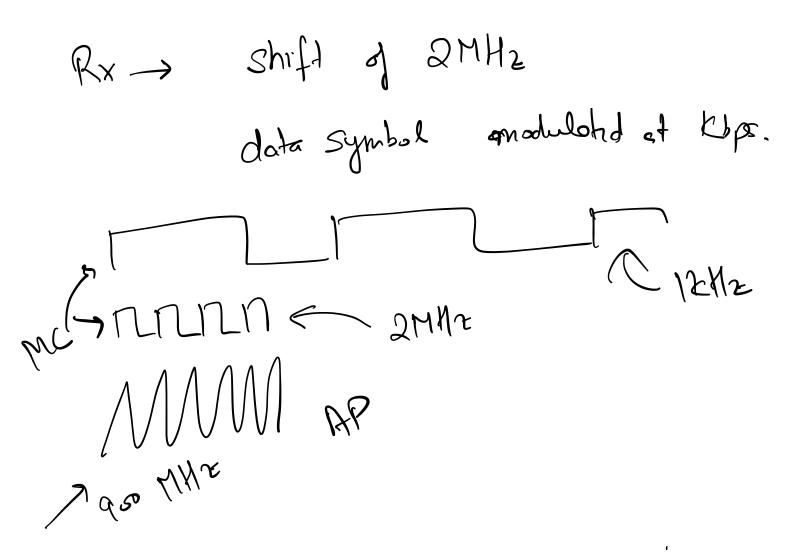
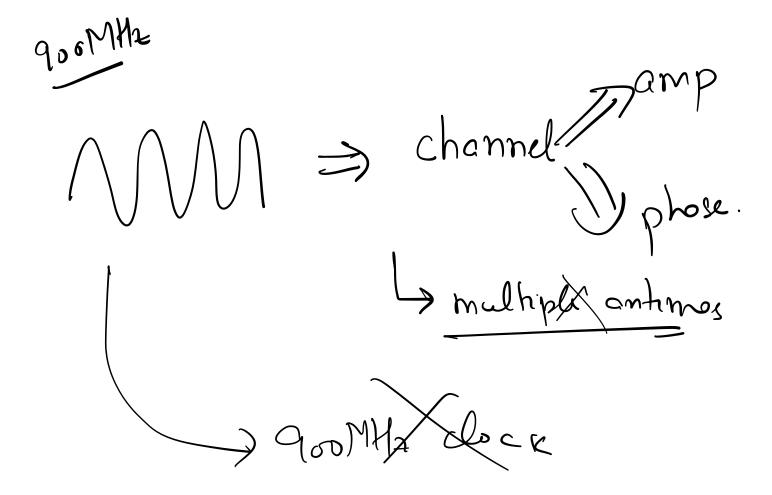
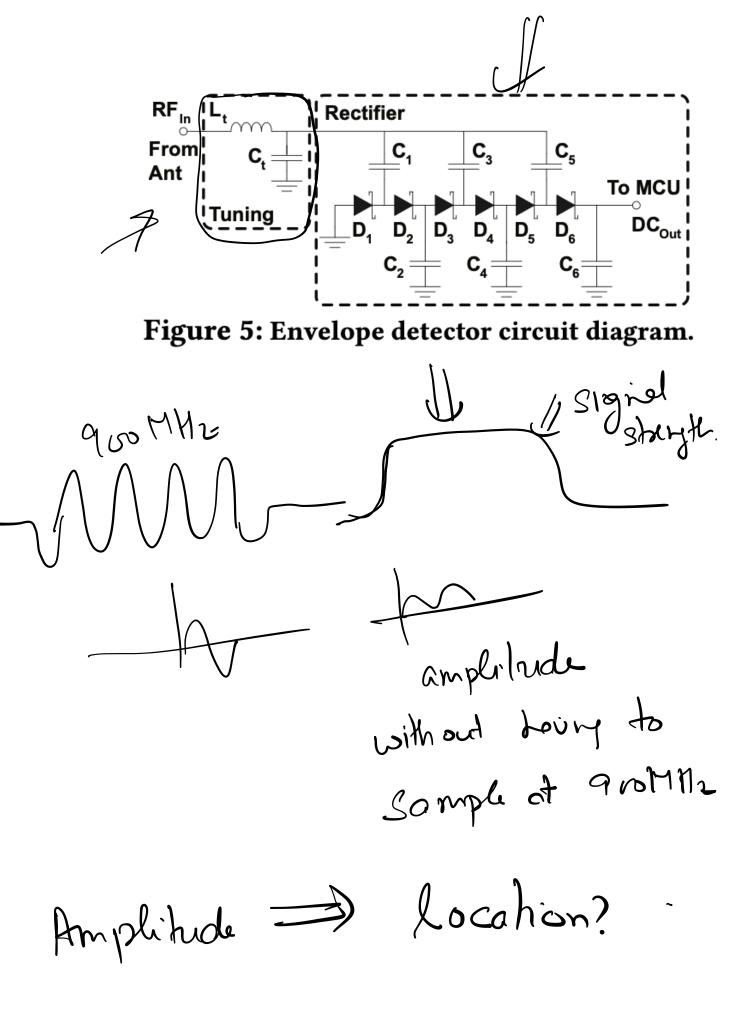


Figure 8: Backscatter hardware including a block diagram (left) and light-weight hardware implementation (right).

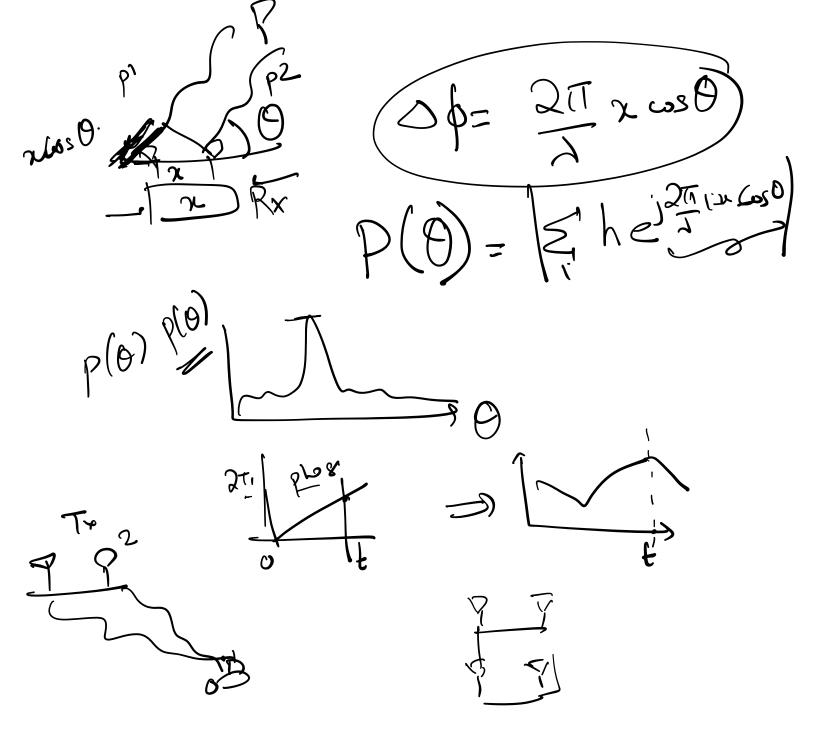


ocalization GPS > too power Sahlle Signal is wed do a bot of processing to recorrir that Signal. Sahllits dom bringing AP. receives signal **, )**, Compute a





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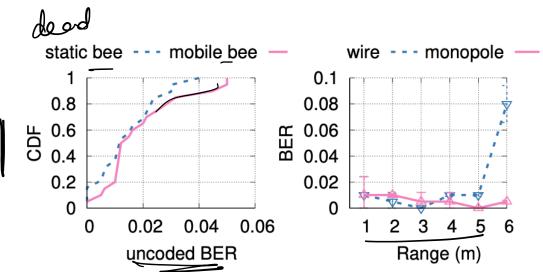
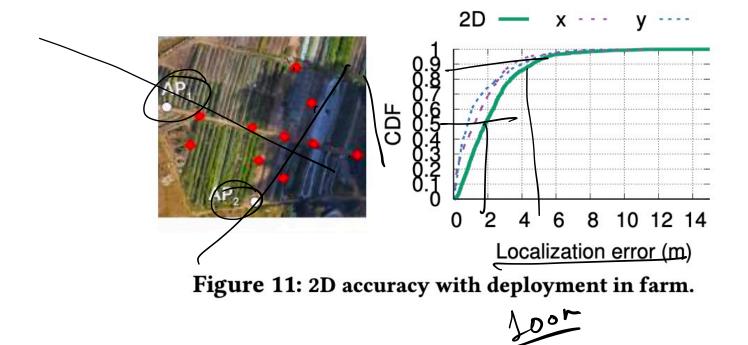


Figure 14: Backscatter performance. The uncoded BER is low and comparable to prior backscatter designs [77] and the bee can upload data when it is back at the hive.



Limitations

> seasonal bees. (insects can die se-wash) » betting like. AP needs to be close. Interference mongen? 900M12 Commers on bees? Size fabrication