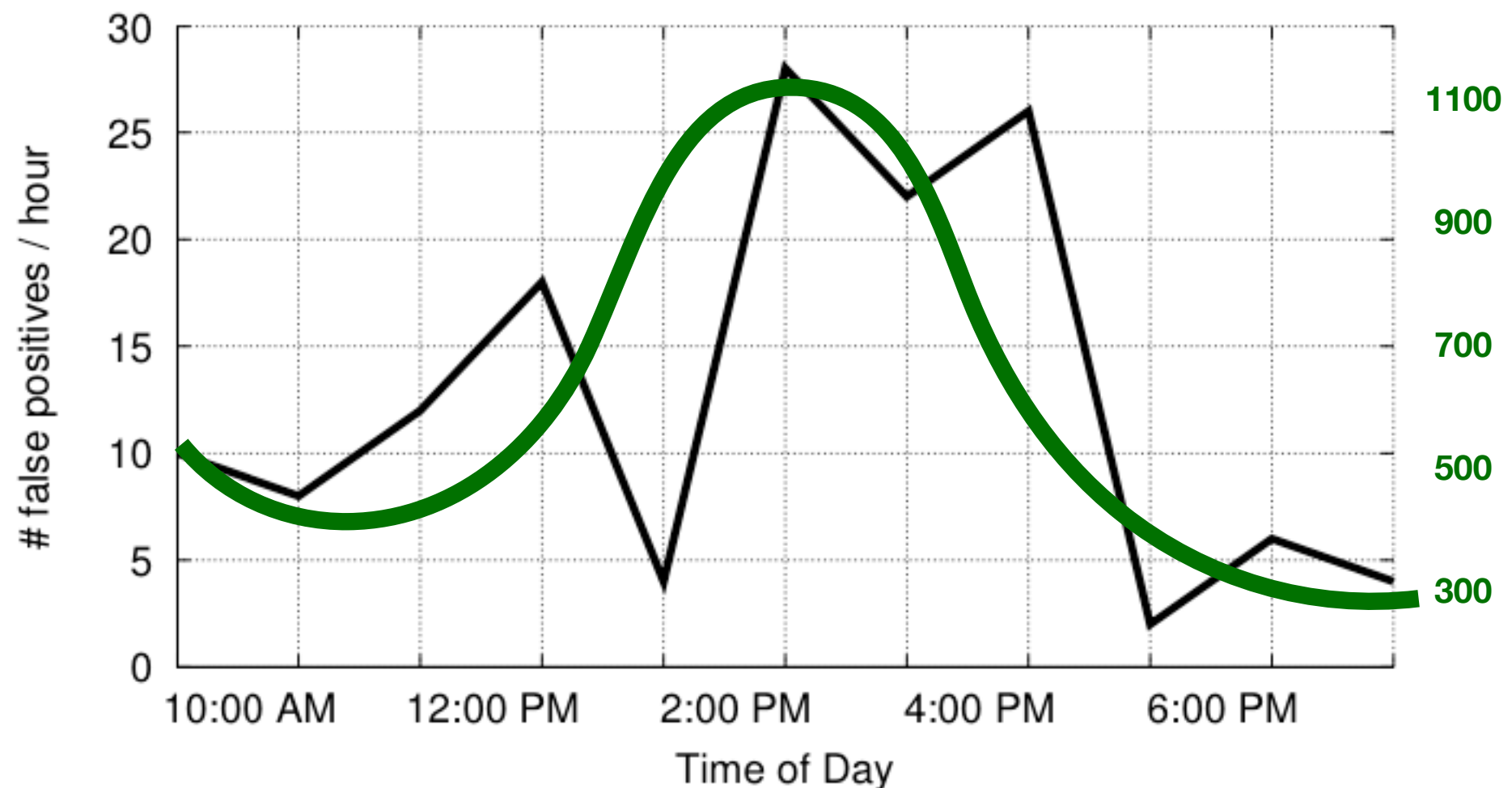


Evaluation

Downlink

falsely detects the Wi-Fi Backscatter preamble

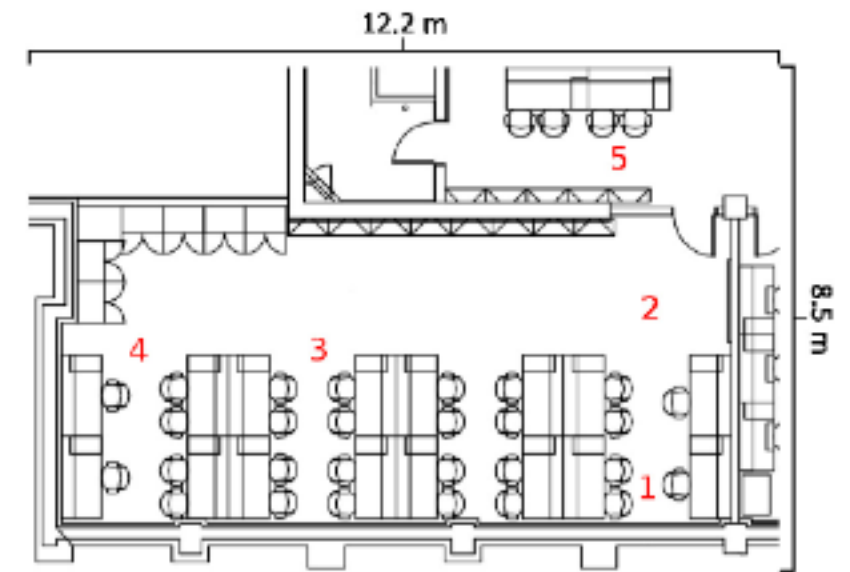
- False-positive situation (green is the network load)



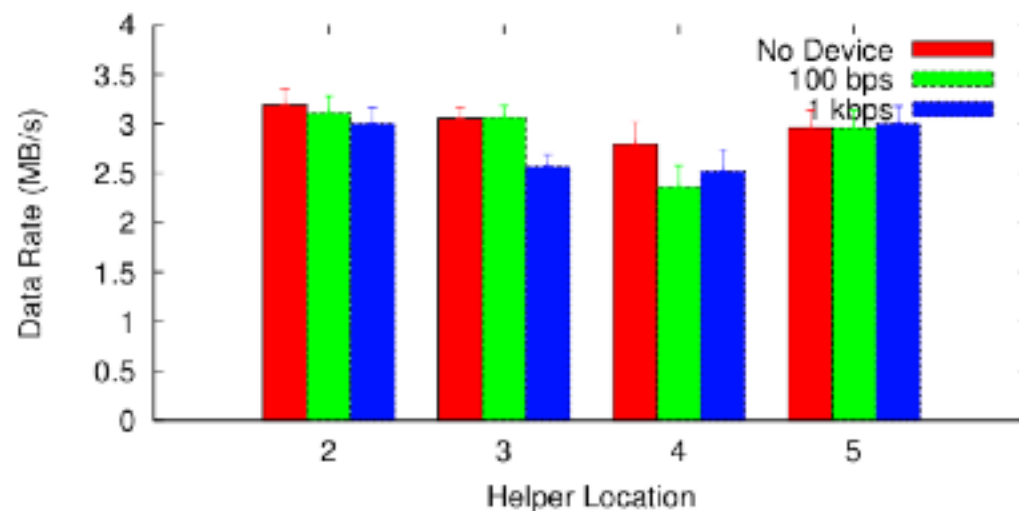
More in-fly packets in the ambient make a fool of the Tag, longer preamble can easily solve it

Evaluation

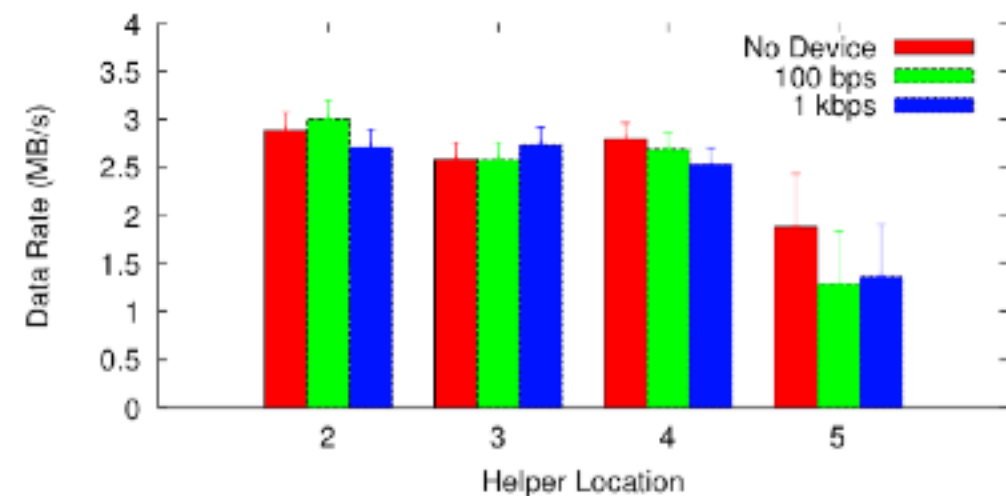
Effect on the original comm pair



- Since downlink use CST_to_self to silence all others traffic, consider uplink only. Make the Tag keeping send out msg.
- One receiver and Tag in the loc 1, move sender around



(a) Distance of 5 cm



(b) Distance of 30 cm

All three color strides are pretty close with each other -> no obvious effect on the wifi communication