Critique
Wi-Fi Backscatter

- The downlink is pretty vulnerable - it silences all the other traffic.

  - the false-positive evaluation proves this to some extent. need find a more unique way to inform the Tag

- Using coding to improve the uplink range is pretty limited - much more bits are required for a slightly larger range

  - actually it is intrinsically inapplicable for long range communication - CSI amplitude becomes more "mixed" with the ambient in distant position

Summary
Wi-Fi Backscatter

- It is the pioneer paper in the field of wifi-backscatter(cite:450) There are much more consideration in the paper. I only pick what I think is the essence part.

- Simply remember the two analogy

  - (Colored envelop for downlink, mirror reflection for uplink)