

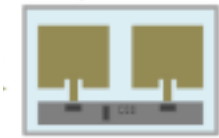
Design



Downlink communication - from reader to tag

- It is exactly what the downlink did:
 - Tag, though cannot extract msg from wifi packet (cannot read a letter), but can perceive **WHETHER** there is a wifi packet (the color of the envelope)
 - Using **presence / absence** of packets to encode data

Design



Downlink communication - from reader to tag

- Using **presence / absence** of packets to encode data

- For the sender (the WiFi reader device):

- Send a CTS-to-Self, global silence first



Silence!

- Send the preamble - let Tag know that a transmission is about to happen

- Send a sequence of packets

