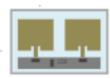
Design





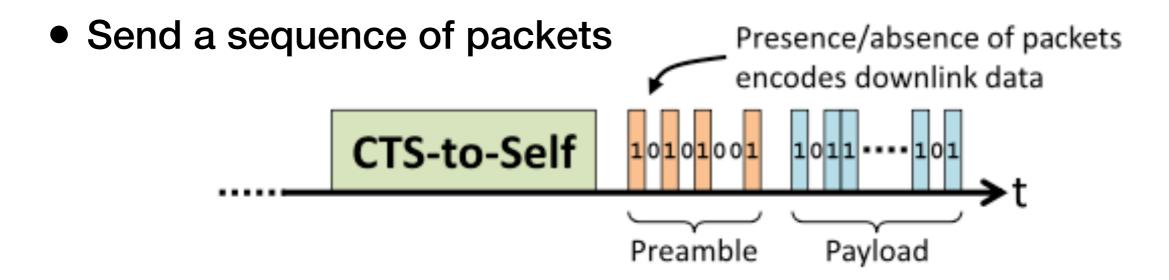
Downlink communication - from reader to tag

- Using presence / absence of packets to encode data
- For the sender (the WiFi reader device):
 - Send a CTS-to-Self, global silence first



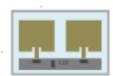


 Send the preamble - let Tag know that a transmission is about to happen



Design





Downlink communication - from reader to tag

- For the receiver (the RF Tag):
 - How to perceive the presence/absence?
 - Wi-Fi transmissions are modulated using OFDM, which is known to have a high peak to average ratio
 - A low power receiver circuit for peak detection @2.4GHz.

