



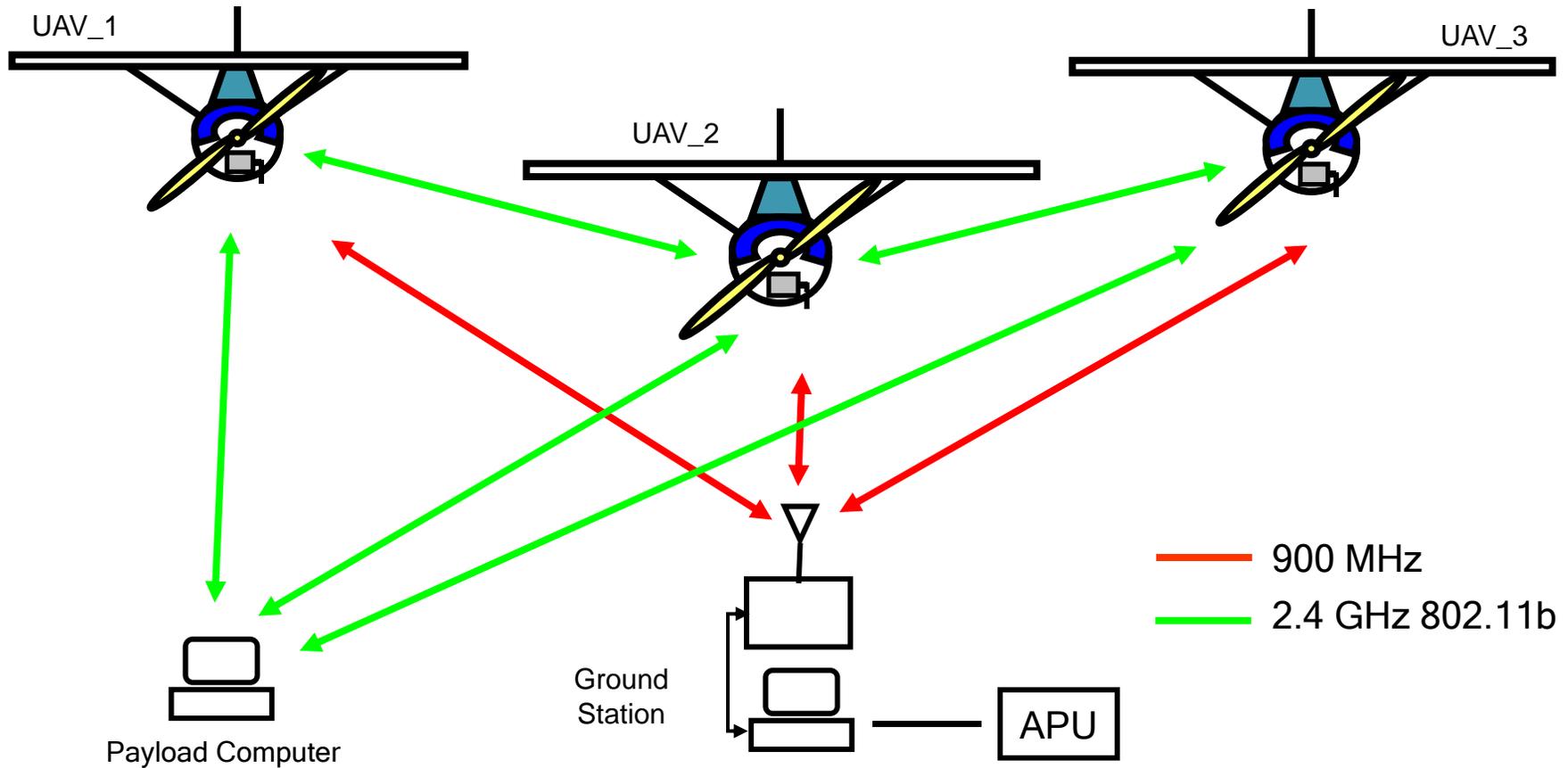
# Communication Systems Description

- ▶ **Guidance and Control Uplink/Downlink Frequency 900 MHz**
  - Bandwidth: within FCC parameters
  - Power: 1 Watt
  - Antenna: Omni-directional on ground , unknown gain
  
- ▶ **Video Downlink Transmitter 2.411 GHz**
  - Bandwidth: within FCC parameters
  - Power: ~ 1 Watt
  - Antenna: standard stick antenna, unknown gain
  
- ▶ **A/C-A/C-Ground Communication 2.411 GHz (802.11b)**
  - Non-flight critical data between aircraft and the ground
  - Bandwidth: 83.5MHz
  - Power: < 1 Watt
  - Antenna: small Omni's on each aircraft, 5-10 dB gain





# Communication Systems Description



- ▶ Ground station for high-level commands and safety override

