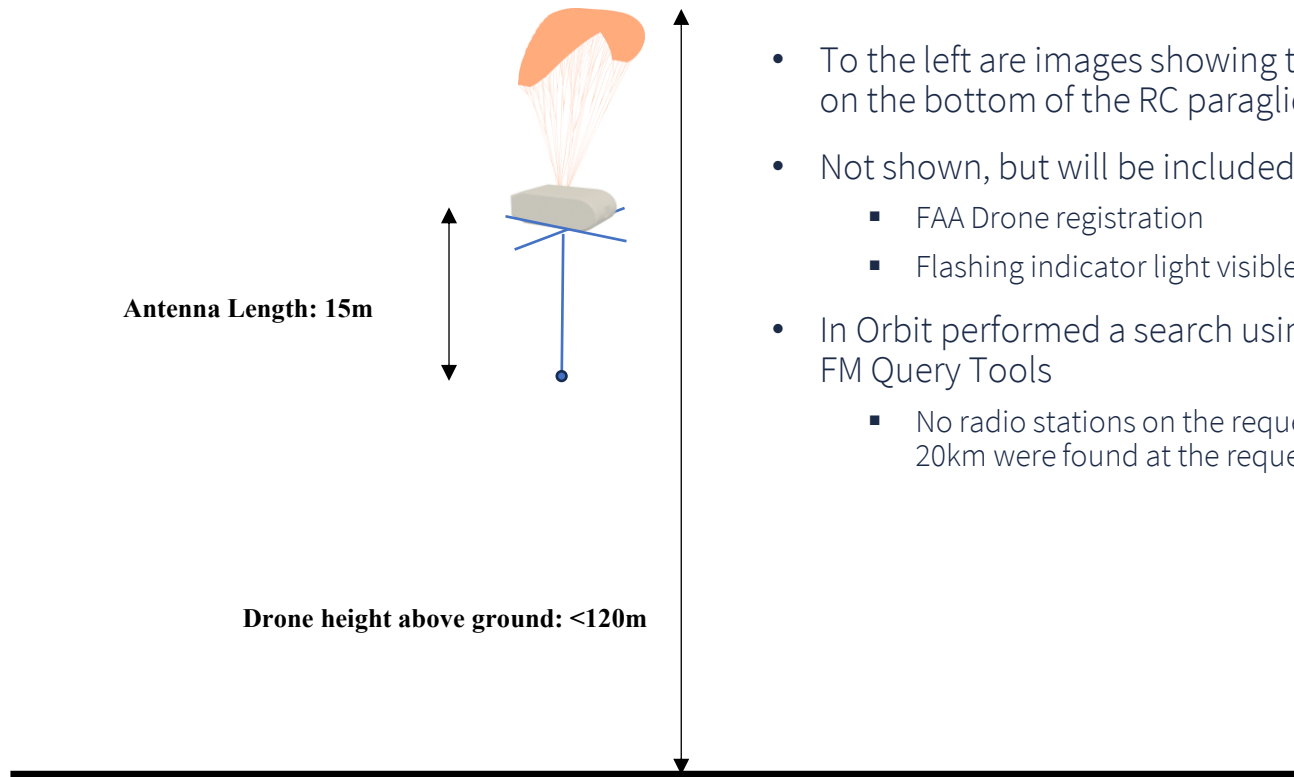
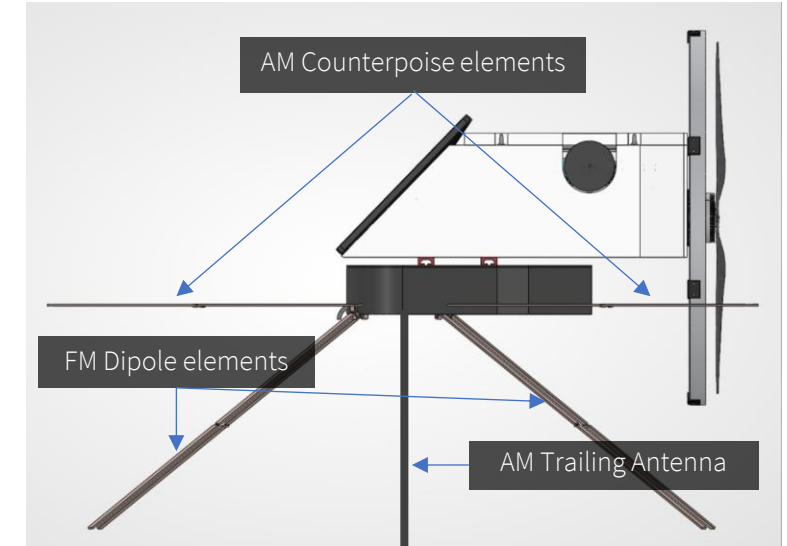


In Orbit Antenna Sketch

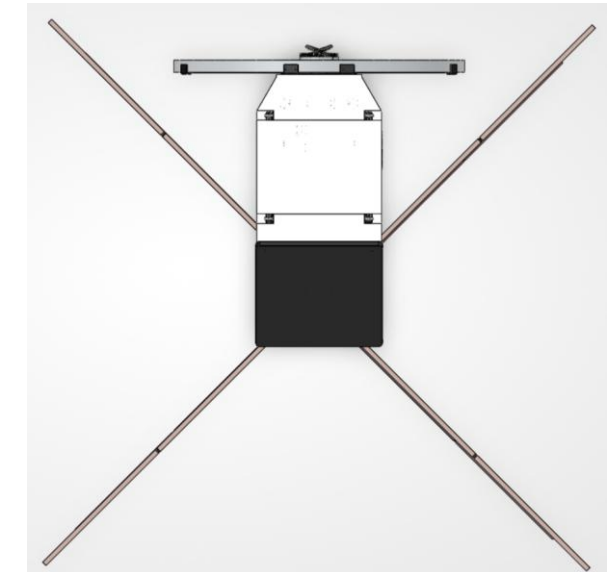
- The radio system, consisting of both AM and FM transmitters, will be flown on a drone. The drone type will either be multicopter or an RC-paraglider.
- The AM antenna consists of 4x radial counterpoise, each ~1m long with a main antenna that hangs vertically below the drone body with a length of 15m.
- The FM antenna is a turnstile antenna with two dipoles each element 30-degrees below horizontal, with the dipoles perpendicular to each other



- To the left are images showing the antenna payload on the bottom of the RC paraglider
- Not shown, but will be included for all flights is:
 - FAA Drone registration
 - Flashing indicator light visible from all directions
- In Orbit performed a search using the FCC AM and FM Query Tools
 - No radio stations on the request frequencies within 20km were found at the requested location.



Above: Side view of the vehicle showing AM and FM elements



Left: Top view of the vehicle. AM and FM elements point in the same direction