

Exhibit D Antenna Drawing

Quadsat Ka-Band Airborne Test Payload

Platform

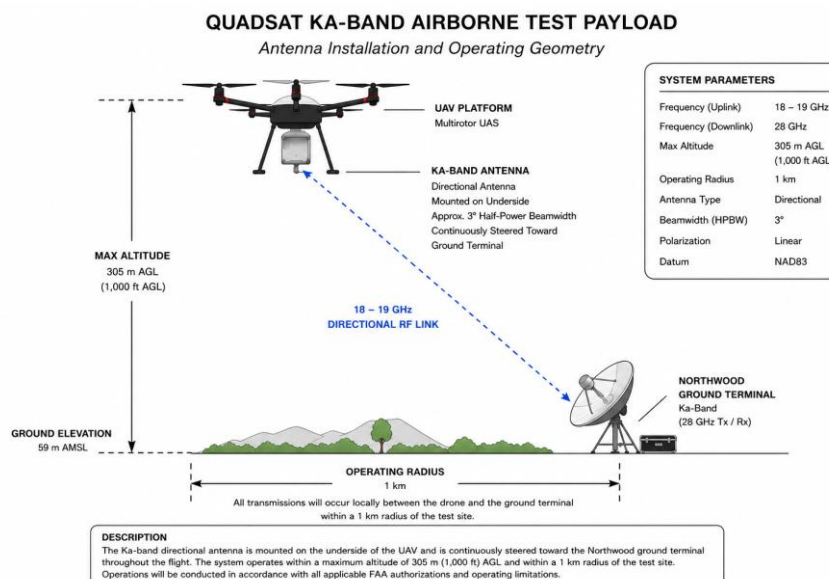
- Multirotor Unmanned Aircraft System (UAS)

Transmitting Antenna

- Mounted on underside of UAV
- Ka-band directional antenna
- Approximate half-power beamwidth: 3°
- Continuously steered toward the ground terminal

Maximum Operating Parameters

- Maximum altitude: 305 m (1,000 ft) AGL
 - Ground elevation: 59 m AMSL
 - Operating radius: [X] km
 - Directional RF link maintained between UAV and Northwood ground terminal
- UAV



Note:

The transmitting antenna is mounted on an unmanned aircraft and therefore has no permanent structure or supporting building. The antenna orientation is dynamically controlled throughout the experiment to maintain pointing toward the ground terminal. Operations will be conducted in accordance with all applicable FAA authorizations.