

Exhibit: Question 5, FAA Antenna Sketch

Two transmitters will be utilized as part of a federal research contract, one mounted on a high altitude balloon and one mounted on a Mobile Ground Station (MGS). The launch point of the balloon/payload is in Roswell, New Mexico and current trajectory predictions are that the balloon will move east with flight termination (impact) possibly as far as the New Mexico / Texas border area, though it is more probable the balloon will not travel that far and stay inside New Mexico. The maximum altitude of the balloon will be approximately 68,000 feet Above Mean Sea Level (AMSL). Maximum duration of the flight (payload/MGS transmitters active) is 6 hours. Minimum duration of the flight is 2 hours. Only one flight will occur in a launch window as specified in the Start/Stop dates of this application filing. The approximate latitude and longitude for the center of the region of operation is 33.392112, -103.712600, with a western limit of Roswell, NM and

The antenna will be fixed to a high altitude balloon operating at 68,000ft during the float phase, above commercial aviation cruising altitudes. During payload ascent/descent an ADS-B transponder will be active notifying aircraft in the vicinity of the balloon/payload position. The payload radio will be active during ascent, float, and descent phases of the flight.

