



SCEYE, Inc. (“SCEYE”) intends to continue performing unmanned stratospheric flight tests of its remotely-operated HAPS. Testing began in September 2020 and is scheduled to continue through 2022. As part of its development program and test campaign, SCEYE will also fly subscale versions of its HAPS as well as unmanned free balloons.

Current SCEYE vehicle architectures use the Advanced Microwave Products FSX1 radios and Persistent Systems MPU5 radios. All 4 FSX1 radios transmit at 2 W with emission designator 1M66F1D. Both MPU5 radios transmit at 10 W (3 x 3.3 W) with emission designator 18M0D1D. During testing, the network is continuously monitored and the transmit capability can be turned off within 15 minutes both remotely and locally.

SCEYE’s plans to launch its HAPS, subscale vehicles, or unmanned free balloons from either Roswell (KROW) or Moriarty (OE0) airports. A separate application has been sent for each of these locations.

Maximum operating altitude is expected to be 75,000 ft MSL. The area of operation will be dependent on ascent trajectories and stratospheric winds aloft but will not exceed the present command and control range performance of 150 miles. SCEYE flight test operations will not penetrate restricted airspace.

Testing:

Flight test will include both systems performance and vehicle performance and flying qualities. Testing will stop and the mission will be terminated if the vehicle position can no longer be maintained to within a 150-mile radius of the center locations of the defined areas of operations (Tatum, NM or Moriarty, NM).

Roswell, NM

Receivers on the ground are located at Roswell International Airport (SCEYE Hangar, Roswell International Air Center, Roswell, NM (33.314, -104.545)).

Moriarty, NM

The Moriarty, NM location is used as a back-up location for performing any additional subscale prototype flight tests. Receivers on the ground are located at Moriarty Municipal Airport (50 George Applebay Way, Building 200, Moriarty, NM (34.9838, -106.0125)). The same radio equipment is used in Moriarty as in Roswell.

Monitoring:

During a flight test, SCEYE monitors testing and the network 24 hours a day/7 days a week. On site system engineers are monitoring system performance and key testing criteria. Any request to stop transmitting can be completed within 15 minutes of notification. Primary POC is Stephanie Luongo, 775-336-8804, sl@sceye.com.

Roswell Testing Area



Moriarty Testing Area

