Sceye, Inc. has a need to perform test flights of its remote airship system it is developing for unmanned stratospheric flight. The first airship, Sceye 1, is scheduled to fly in September 2020. The second airship, Sceye 1.1 is scheduled to fly in May 2021.

Both Sceye 1 and Sceye 1.1 use the Advanced Microwave Products FSX1 radios and Persistent Systems MPU5 radios. All 3 FSX1 radios will transmit at 2W with emission designator 1M66F1D. Both MPU5 radios will transmit at 10W (3 x 3.3W) with emission designator 18M0D1D. During testing, the network is continuously monitored and the transmit capability can be turned off within 15 minutes remotely and locally.

Sceye will be flight testing airship platforms out of Roswell and Moriarty locations. A separate request has been sent for each of these locations. All future testing is currently expected to be done out of the Roswell, NM location and Moriarty, NM locations.

Maximum altitude of operation out of New Mexico facilities is expected to be 75,000 ft ASL, with a 65,000 ft ASL nominal altitude.

Testing:

Roswell, NM

Primary testing will be departing from Roswell International Air Center. Testing will typically take place to the south of Roswell west of the town of Dexter, but is subject to atmospheric conditions. Receivers on the ground are located at Roswell International Airport (SCEYE Airship Hangar, Roswell International Air Center, Roswell, NM (33.314, -104.545)). Performance of the flight systems will be tested, with a maximum allowable range of 150 miles from the launch location. Radio transmission from the platform will be stopped if it goes outside of the 150 mile radius.

Moriarty, NM

Additional subscale prototype testing will be carried out in the Moriarty, NM location. This will happen at Moriarty Municipal Airport (50 George Applebay Way, Building 200, Moriarty, NM (34.9838, -106.0125)). This location will be used for subscale prototype testing using the same equipment as the testing outside of Roswell.

Monitoring:

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 Frank Sneeringer, (302) 593-1588, fs@sceye.com.

Roswell Testing Area

Moriarty Testing Area