

FCC Experimental License – Research Project Description

Description of Research Project

Taurus Technologies Aero is conducting experimental evaluation of resilient wireless communications, synchronization, and passive RF sensing technologies for terrestrial and unmanned-system applications.

Operations will consist primarily of fixed and temporary ground-based test nodes with limited low-altitude UAV relay testing in controlled environments.

Testing will evaluate communications performance, synchronization behavior, mesh networking, latency, throughput, and spectrum coexistence characteristics using commercially relevant frequency bands commonly used for unmanned systems and terrestrial wireless communications.

Requested frequencies are limited to:

- 902–928 MHz
- 2400–2483.5 MHz

Operations will be conducted at controlled test locations using moderate power levels and commercially representative antenna systems. Testing is experimental in nature and intended solely for research and development purposes.