

The Applicant seeks Special Temporary Authority for testing of a proprietary radar system used to track small unmanned aircraft systems (“sUAS”) and distinguish sUAS from other flying objects (e.g., other aircraft, birds, etc.). The Applicant’s radar system is designed specifically for small radar cross section (RCS) targets in high clutter environments. The testing is being conducted in furtherance of a contract with the United States Air Force, and will take place on and in the immediate vicinity of a retired Naval Air Station which features a public use multi-kilometer concrete surface (retired taxiway/runway) with industrial-use hangars and retired building structures. Low utilization by the public and minimal traffic presents an optimal environment for clear-span radiating tests with minimal multi-path or spurious interference.

The radar system used in this testing will be employed in a pulsed manner with a ~5% duty cycle and BPSK modulation in order to detect and track sUAS within the testing area. General Radar will provide a “stop buzzer” point of contact who can cease operations of the radar in the extremely unlikely event any harmful interference is reported.

The “stop buzzer” point of contact is:

PRIMARY:

- Dmitry Turbiner
- Cell 650-304-9033
- turbiner@genrad.io

ALTERNATE:

- Cody Daniel
- Cell 669-244-2327
- cody@genrad.io