

This application is intended to follow the STA, File Number 0459-EX-ST-2026, after it expires. The application is for the use of a counter-UAS radar system that will be operated within the Townes Institute Science and Technology Experimentation Facility test range.

During each planned use of the radar, we coordinate with the Space Force's 1st Range Operations Squadron as well as Kennedy Space Center's Spectrum Management for deconfliction. We are subject to all KSC, Space Force, and University of Central Florida safety rules, regulations, and procedures.

The radar system is remaining in the same position as in the STA: it is mounted on top of a Conex container so as to greatly reduce potential harm to personnel during operation. Antenna height above ground is about 13 ft in this configuration, and each panel is angled above the horizon 15 degrees meaning any area below the radar is not affected by RF emissions. This configuration has been evaluated by KSC Health Physics who determined "the MHR Radar in accessible areas during nominal operation is less than the Exposure Reference Level (ERL) as determined by IEEE C95.1 (2019), Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz, as it pertains to "unrestricted" environment". This evaluation can be provided if requested.

Stop Buzzer POC: Daniel Turbe — 321-431-2419 — tistef@ucf.edu