

1. Introduction

By the instant application (“Application”), Leidos Inc. (“Leidos”) requests that the Commission grant a 2 year conventional experimental license to operate the facilities specified in the instant application.

2. Purpose of the Operation

The testing conducted by Leidos is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts.

For this particular application, authority is requested to continue operations previously authorized under STA (WU9XEF – File No. 1204-EX-ST-2022) (same technical parameters other than update of emission designator for 251.3 MHz and 304.3 MHz), for continued performance of ground and flight testing of an aircraft and associated integrated systems under a government contract to support national security. Continued operations are sought through the end of March 2024. The contract task orders have been extended through August of 2023 with anticipated task orders through March of 2024. Task order requirements include the need to perform testing of airborne radio frequency emitters in the area previously specified in the STA grant application.

Contract Information:

Agency/Customer: US Army
Contract Number: GS00Q14OADU106
Government POC: John Perkinson, O (256) 313-2004, C (256) 508-4401
John.d.perkinson.civ@mail.mil

Antenna #1: Temporary-Fixed Ground Operations – Bridgewater, VA
Antenna #2: Temporary-Fixed Ground Operations – Manassas, VA
Antenna #3: Airborne Operations - around Bridgewater, VA
Antenna #4: Airborne Operations - around Manassas, VA
Antenna #5: Airborne Operations - around Chambersburg, PA
Antenna #6: Airborne Operations - around Ft. Meade, MD
Antenna #7: Airborne Operations - around Lakehurst, NJ
Antenna #8: Airborne Operations - around Atlantic Test Range, MD

A waiver of the Station ID requirements of 47 CFR §5.115(a) is respectfully requested

3. Interference Mitigation

Leidos is well aware of its obligations under Part 5 of the Commission’s rules to avoid interference to co-channel licensees in non-experimental services, and will take all steps to ensure compliance with this obligation. In addition, the following factors will help mitigate any interference issues:

- Outdoor testing will not be frequent. Testing will be sporadically planned and executed throughout the course of this license, typically for one to three days at a time at an expected frequency of several times a month. Testing will typically only occur between the hours of 8AM and 6PM EST on week days.

- Outdoor testing will not be continuous. Emissions will be active for short durations no longer than 5 minutes at a time (maximum) with an average on-time more on the order of 1 minute. During a test, emissions will be activated for these durations periodically with several minutes between emissions at a minimum, if not longer. Overall, during a full day of testing the expected total time spent emitting would be on the order of 30 to 60 minutes on average.

4. **Stop Buzzer**

The following will be available by wireless telephone and will act as the “stop buzzer” if any issues arise during testing:

Noah Quay / Test Lead, AIMSS Branch, Leidos
Tel: 530-415-7139 / noah.b.quay@leidos.com

Chris House / Flight Test Engineer, QRC Airborne ISR Systems Division, Leidos
Tel: 540-383-8286 / christopher.g.house@leidos.com