

1. Introduction

By the instant application (“Application”), Leidos, Inc. (“Leidos”) requests that the Commission grant Special Temporary Authority (STA) to operate the facilities specified in the instant application.

2. Purpose of the Operation

The testing conducted by Leidos is a critical part of manufacture and delivery of military systems provided to the Armed Forces in support of Layered Operational Force Protection efforts. Leidos will emplace 2 unattended ground sensors to record seismic, acoustic and magnetic data during the technical experimentation demonstration held at Emerging Technology Institute, 16824 NC-211, Red Springs, NC 28377-1551 on September 14-16, 2026. The basic transmitter system consists of Iridium 9602N Satellite Radio SBD transceiver module. Leidos will transmit single Iridium Short Burst Data Service (SBD) data packet to a satellite.

The transmission proposed in the Application to be operated by Leidos will not involve the use of directed energy, jamming, electronic attack, or signal spoofing.

There is no Government contract associated with this technical experimentation demonstration.

3. Modulation

BPSK, QPSK, D -transmit (single status alert to satellite)

4. Waiver of Station ID

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

5. Interference Mitigation

Leidos is aware of its obligations under Part 5 of the Commission’s rules to avoid interference to co-channel licenses 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:

- The transmission proposed in the application to be operated by Leidos will not involve the use of directed energy, jamming, electronic attack, or signal spoofing.
- All planned operations are on a non-interference basis (NIB) and shall not cause harmful interference to, or claim protection from, any other lawfully operating stations.
- Testing will be limited to ground-based operation with the internal omni-directional L-Band micro patch GPS antenna for receive only.
- Outdoor testing will not be continuous. Emissions will be active for short durations no longer than 3 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 less than 1 minute to transmit single Iridium Short Burst Data Service (SBD) data packet to a satellite. Overall, during a full day of testing the expected total time spent emitting would be on the order of 5 to 10 minutes on average.

6. Stop Buzzer

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

Primary: Paul Piraino, 703-407-8207

Secondary: Joshua Hunt, 858-826-4178