

**1. Introduction**

By the instant application (“Application”), Leidos, Inc. requests that the Commission grant a Conventional Experimental License to operate the facilities (the “Facilities”) specified in the instant application.

**2. Purpose of the Operation**

The testing conducted by Leidos, Inc. 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.

**Additional information regarding the purpose of the experiment and the associated contract information is contained at Confidential Exhibit 3, pursuant to the Confidentiality Request at Exhibit 2.**

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

**3. Directionality/Orientation**

The following information is provided with respect to the directional antennas to be used:

| Antenna           | Beamwidth at Half-Power Point                                               | Orientation in Horizontal Plane | Orientation in Vertical Plane |
|-------------------|-----------------------------------------------------------------------------|---------------------------------|-------------------------------|
| BroadSpec Antenna | Horizontal: omnidirectional within $\pm 1.5$ dB (360°)<br>Vertical: 80-100° | Omnidirectional (360°)          | 20°                           |

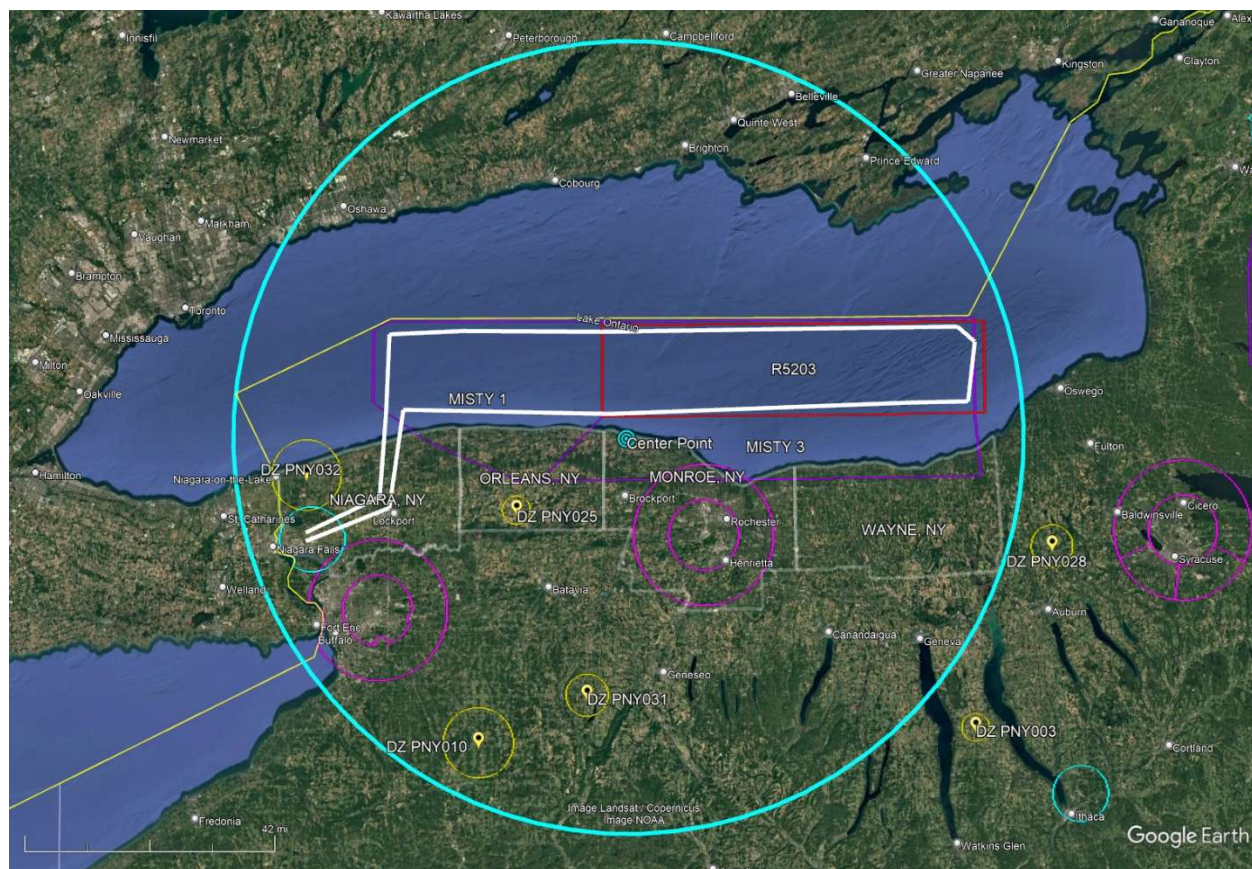
**4. Modulation**

Pulsed waveform using time position and polarity

## 5. Note Regarding Airborne Operations At Monroe NY

See map below for area of operations

This application seeks authority for transmissions exclusively within US territory:



Center Point within US Territory – Located in Monroe, NY, Monroe County  
(the US border is designated by the yellow line running from the bottom left to the top right of the image)

Large Cyan circle shows 105 km (65 mile) radius from center point

Thick White Line: Notional Flight path

## 6. Interference Mitigation

Leidos, Inc. 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.

## 7. Stop Buzzer

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

Primary: Jon Wetherbee, 256-270-4024

Secondary: Jordan Britt, 256-270-4026; Jim Wright, 256-975-0723