

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WK2XGN

(Call Sign)

XE      FX MO

(Class of Station)

0435-EX-CN-2019

(File Number)

NAME Leidos, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Mobile Ground Operations (Orlando, FL), within 15 km, centered around NL 28-34-47; WL 81-11-43
- (2) Orlando (ORANGE), FL - NL 28-34-47; WL 81-11-43
- (3) MOBILE: Mobile Ground Operations (Chuluota, FL), within 15 km, centered around NL 28-39-51; WL 81-05-21
- (4) Chuluota (SEMINOLE), FL - NL 28-39-51; WL 81-05-21

Frequency Information

MOBILE: Mobile Ground Operations (Orlando, FL), within 15 km, centered around NL 28-34-47; WL 81-11-43

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 445-453 MHz | MO            | 11K8F1D             | 4 W (ERP)        |                           |
| 455-458 MHz | MO            | 11K8F1D             | 4 W (ERP)        |                           |
| 460-480 MHz | MO            | 11K8F1D             | 4 W (ERP)        |                           |

This authorization effective June 17, 2019 and  
will expire 3:00 A.M. EST July 01, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Orlando (ORANGE), FL - NL 28-34-47; WL 81-11-43

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 445-453 MHz | FX            | 11K8F1D             | 4 W (ERP)        |                           |
| 455-458 MHz | FX            | 11K8F1D             | 4 W (ERP)        |                           |
| 460-480 MHz | FX            | 11K8F1D             | 4 W (ERP)        |                           |

MOBILE: Mobile Ground Operations (Chuluota, FL), within 15 km, centered around NL 28-39-51; WL 81-05-21

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
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| 445-453 MHz | MO            | 11K8F1D             | 4 W (ERP)        |                           |
| 455-458 MHz | MO            | 11K8F1D             | 4 W (ERP)        |                           |
| 460-480 MHz | MO            | 11K8F1D             | 4 W (ERP)        |                           |

Chuluota (SEMINOLE), FL - NL 28-39-51; WL 81-05-21

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 445-453 MHz | FX            | 11K8F1D             | 4 W (ERP)        |                           |

## Frequency Information

Chuluota (SEMINOLE), FL - NL 28-39-51; WL 81-05-21

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 455-458 MHz | FX            | 11K8F1D             | 4 W (ERP)        |                           |
| 460-480 MHz | FX            | 11K8F1D             | 4 W (ERP)        |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [https://www.sbe.org/sections/freq\\_local.php](https://www.sbe.org/sections/freq_local.php) to find the appropriate coordinator.
- (4) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.