

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

EXPERIMENTAL

(Nature of Service)

WJ2XGQ

(Call Sign)

XC MO

(Class of Station)

0936-EX-CN-2017

(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: Temporary Fixed Letterkenny Army Depot, within 1 km, centered around NL 40-00-01; WL 77-37-54
- (2) MOBILE: Airborne Operations Letterkenny Army Depot, within 37.04 km, centered around NL 40-00-01; WL 77-37-54
- (3) MOBILE: Temporary Fixed Bridgewater VA, within 1 km, centered around NL 38-21-53; WL 78-57-38
- (4) MOBILE: Airborne Operations Bridgewater VA, within 37.04 km, centered around NL 38-21-53; WL 78-57-38
- (5) MOBILE: Temporary Fixed Manassas VA, within 1 km, centered around NL 38-43-55; WL 77-31-07
- (6) MOBILE: Airborne Operations Manassas VA, within 37.04 km, centered around NL 38-43-55; WL 77-31-07
- (7) MOBILE: Temporary Fixed Lakehurst NJ, within 1 km, centered around NL 40-01-30; WL 74-18-59
- (8) MOBILE: Airborne Operations Lakehurst NJ, within 37.04 km, centered around NL 40-01-30; WL 74-18-59

Frequency Information

MOBILE: Temporary Fixed Letterkenny Army Depot, within 1 km, centered around NL 40-00-01; WL 77-37-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N	51.2 W (ERP)	

This authorization effective February 15, 2018 and
will expire 3:00 A.M. EST February 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Letterkenny Army Depot, within 1 km, centered around NL 40-00-01; WL 77-37-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	18M0Q3N 1G10Q3N 209MQ3N	51.2 W (ERP)	

MOBILE: Airborne Operations Letterkenny Army Depot, within 37.04 km, centered around NL 40-00-01; WL 77-37-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N 18M0Q3N 1G10Q3N 209MQ3N	51.2 W (ERP)	

MOBILE: Temporary Fixed Bridgewater VA, within 1 km, centered around NL 38-21-53; WL 78-57-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N 18M0Q3N 1G10Q3N 209MQ3N	51.2 W (ERP)	

Frequency Information

MOBILE: Airborne Operations Bridgewater VA, within 37.04 km, centered around NL 38-21-53; WL 78-57-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N 18M0Q3N 1G10Q3N 209MQ3N	51.2 W (ERP)	

MOBILE: Temporary Fixed Manassas VA, within 1 km, centered around NL 38-43-55; WL 77-31-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N 18M0Q3N 1G10Q3N 209MQ3N	51.2 W (ERP)	

MOBILE: Airborne Operations Manassas VA, within 37.04 km, centered around NL 38-43-55; WL 77-31-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N 18M0Q3N 1G10Q3N 209MQ3N	51.2 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Lakehurst NJ, within 1 km, centered around NL 40-01-30; WL 74-18-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N 18M0Q3N 1G10Q3N 209MQ3N	51.2 W (ERP)	

MOBILE: Airborne Operations Lakehurst NJ, within 37.04 km, centered around NL 40-01-30; WL 74-18-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16200-17300 MHz	MO	114MQ3N 169MQ3N 18M0Q3N 1G10Q3N 209MQ3N	51.2 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) 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.
- (4) Stop Buzzers Point of Contact:
Brandi Moomau – 540-470-7151
Clarence Simpson – 785-217-7533
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number W56KGY-16-D-0001. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.

Special Conditions:

- (6) Operation is subject to coordination prior to activation and, as appropriate, possible scheduling with Paulette Woody, pwoody@nrao.edu, (304) 456-2107, when used within 20 nautical miles of the National Radio Quiet Zone.