

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WI2XOX

(Call Sign)

0282-EX-CM-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: Bridgewater VA, within 64.5 km, centered around NL 38-22-00; WL 78-57-37
- (2) MOBILE: Bridgewater VA, within 1 km, centered around NL 38-22-00; WL 78-57-37

Frequency Information

MOBILE: Bridgewater VA, within 64.5 km, centered around NL 38-22-00; WL 78-57-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	44M7F7W	20 W (ERP)	0.5 %
2400-2483.5 MHz	MO	44M7F7W	20 W (ERP)	0.5 %
4400-4940 MHz	MO	10M0F7W	20 W (ERP)	0.5 %
5250-5850 MHz	MO	44M7F7W	20 W (ERP)	0.5 %

This authorization effective October 23, 2019 and
will expire 3:00 A.M. EST January 01, 2023

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Frequency Information

MOBILE: Bridgewater VA, within 64.5 km, centered around NL 38-22-00; WL 78-57-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.5-14.83 GHz	MO	44M7F7W	20 W (ERP)	0.5 %
15-15.35 GHz	MO	44M7F7W	20 W (ERP)	0.5 %

MOBILE: Bridgewater VA, within 1 km, centered around NL 38-22-00; WL 78-57-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	44M7F7W	1 W (ERP)	0.5 %
2400-2483.5 MHz	MO	44M7F7W	1 W (ERP)	0.5 %
4400-4940 MHz	MO	10M0F7W	1 W (ERP)	0.5 %
5250-5850 MHz	MO	44M7F7W	1 W (ERP)	0.5 %
14.5-14.83 GHz	MO	44M7F7W	1 W (ERP)	0.5 %
15-15.35 GHz	MO	44M7F7W	1 W (ERP)	0.5 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (2) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4)
 - a) Obtain consents from the Broadband Radio Service licensees prior to accessing to 2400-2483 MHz band.
 - b) Coordinate with the local Society of Broadband Engineers frequency coordinator and the Fixed Microwave Service licensees prior to operation in 2400-2483 MHz
- (5) 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.
- (6) No fixed operations permitted.
- (7) 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 numbers W15P7T-10-D-D420 KZO1, W911QX-16-C-0012, and CRN315177W909MY-15-C-0031. 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.