

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE2XOP

(Call Sign)

0021-EX-RR-2016

(File Number)

NAME Raytheon IIS

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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: RAYTHEON LABORATORY - FALLS CHURCH, VA, within 1 km, centered around NL 38-52-09; WL 77-12-37
- (2) MOBILE: Dulles, VA, within 1 km, centered around NL 39-00-44; WL 77-26-17

Frequency Information

MOBILE: RAYTHEON LABORATORY - FALLS CHURCH, VA, within 1 km, centered around NL 38-52-09; WL 77-12-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	300KGXW	1.45 W (ERP)	
1850-1910 MHz	MO	300KGXW	1 W (ERP)	

This authorization effective February 01, 2016 and
will expire 3:00 A.M. EST February 01, 2018

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Frequency Information

MOBILE: Dulles, VA, within 1 km, centered around NL 39-00-44; WL 77-26-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	300KKXW	1.45 W (ERP)	
1850-1910 MHz	MO	300KKXW	1 W (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.