

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WK2XIW

(Call Sign)

0266-EX-CM-2019

(File Number)

NAME MIT Lincoln Laboratory

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) Hanscom AFB (MIDDLESEX), MA - NL 42-27-53; WL 71-17-08
- (2) Hanscom AFB (MIDDLESEX), MA - NL 42-27-50; WL 71-17-11
- (3) Gardner (WORCESTER), MA - NL 42-32-46; WL 72-00-51
- (4) Gardner (WORCESTER), MA - NL 42-32-45; WL 72-00-54

Frequency Information

Hanscom AFB (MIDDLESEX), MA - NL 42-27-53; WL 71-17-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.415-2.465 GHz	FX	50M0Q1X	1 W (ERP)	0.0001 %

Hanscom AFB (MIDDLESEX), MA - NL 42-27-50; WL 71-17-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.415-2.465 GHz	FX	50M0Q1X	1 W (ERP)	0.0001 %

This authorization effective November 25, 2019 and
will expire 3:00 A.M. EST February 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Gardner (WORCESTER), MA - NL 42-32-46; WL 72-00-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.415-2.465 GHz	FX	50M0Q1X	1 W (ERP)	0.0001 %

Gardner (WORCESTER), MA - NL 42-32-45; WL 72-00-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.415-2.465 GHz	FX	50M0Q1X	1 W (ERP)	0.0001 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) 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 to find the appropriate coordinator.
- (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.
- (6) 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 FA8702-15-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.