

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

EXPERIMENTAL

(Nature of Service)

WI2XKZ

(Call Sign)

XC MO

(Class of Station)

0318-EX-PL-2016

(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) MOBILE: OXFORD, ME, within 322 km, centered around NL 44-16-32; WL 70-49-16

Frequency Information

MOBILE: OXFORD, ME, within 322 km, centered around NL 44-16-32; WL 70-49-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
103-108 MHz	MO	NON	400 uW (ERP)	0.0001 %
139-325 MHz	MO	NON	400 uW (ERP)	0.0001 %
337-401 MHz	MO	NON	400 uW (ERP)	0.0001 %

Special Conditions:

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

This authorization effective August 10, 2016 and
will expire 3:00 A.M. EST October 30, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (4) Operation is subject to notification of the following licensees within 50 miles of the entire test area:
 - o All services in 220 MHz
 - o 218-219 MHz Service
 - o 220-222 MHz Service
 - o Paging services in 152, MHz, 158 MHz and, 152 MHz/158 MHz
- (5) Operation is subject to prior coordination with the local SBE frequency coordinator prior to operation in 139-325 MHz band.
- (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 numbers FA8721-05-C-0002, and 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.
- (7) Stop buzzer point of contact is Byron Stanley at (339) 223-7773.
- (8) Using the following frequencies are authorized within MAG band (225-328.6 MHz): M229, M235, M241, M247, M253, M259, M265, M271, M277, M283, M289, M295, M301, M313, M319, and M325.
- (9) Using the following frequencies are authorized within MAG band (335.4-399.9 MHz): M337, M343, M349, M355, M361, M367, M373, M379, M385, M391, and M397.