

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WH2XVW

(Call Sign)

0204-EX-CM-2021

(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: Upper Marlboro, MD, within 0.1 km, centered around NL 38-54-23; WL 76-50-40
- (2) MOBILE: Lexington, MA, within 1.7 km, centered around NL 42-27-35; WL 71-16-07
- (3) MOBILE: Boston, MA, within 0.2 km, centered around NL 42-20-38; WL 71-03-28

Frequency Information

MOBILE: Upper Marlboro, MD, within 0.1 km, centered around NL 38-54-23; WL 76-50-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-30 GHz	MO	5M00P0N	0.0032 W (ERP)	

MOBILE: Lexington, MA, within 1.7 km, centered around NL 42-27-35; WL 71-16-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-30 GHz	MO	5M00P0N	0.0032 W (ERP)	

This authorization effective September 30, 2021 and
will expire 3:00 A.M. EST July 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Boston, MA, within 0.2 km, centered around NL 42-20-38; WL 71-03-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24-30 GHz	MO	5M00P0N	3.2 mW (ERP)	

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 is required to coordinate operations with existing microwave users in the area to avoid interference.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government. 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.
- (5) Coordinate with the Upper Microwave Flexible Use Service licensees in the proposed areas prior to accessing to 24-30 GHz band.