

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WK2XYJ

(Call Sign)

0298-EX-CN-2020

(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) Cambridge (MIDDLESEX), MA - NL 42-21-38; WL 71-05-37
- (2) Cambridge (MIDDLESEX), MA - NL 42-21-24; WL 71-06-05
- (3) Gardner (MIDDLESEX), MA - NL 42-33-10; WL 72-00-52
- (4) Gardner (MIDDLESEX), MA - NL 42-36-47; WL 72-00-02

Frequency Information

Cambridge (MIDDLESEX), MA - NL 42-21-38; WL 71-05-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3250-3450 MHz	FX	11M0Q1N	12195 W (ERP)	0.00001 %
		14M7Q1N		
		17M6Q1N		
		21M5Q1N		
		4M40Q1N		
		8M80Q1N		
		3M70Q1N		
		5M50Q1N		
		43M0Q1N		
		7M30Q1N		

This authorization effective April 27, 2020 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Cambridge (MIDDLESEX), MA - NL 42-21-24; WL 71-06-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3250-3450 MHz	FX	11M0Q1N 14M7Q1N 17M6Q1N 21M5Q1N 4M40Q1N 8M80Q1N 3M70Q1N 5M50Q1N 43M0Q1N 7M30Q1N	12195 W (ERP)	0.00001 %

Gardner (MIDDLESEX), MA - NL 42-33-10; WL 72-00-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3250-3450 MHz	FX	11M0Q1N 14M7Q1N 17M6Q1N 21M5Q1N 4M40Q1N 8M80Q1N 3M70Q1N 5M50Q1N 43M0Q1N 7M30Q1N	12195 W (ERP)	0.00001 %

Gardner (MIDDLESEX), MA - NL 42-36-47; WL 72-00-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3250-3450 MHz	FX	11M0Q1N	12195 W (ERP)	0.00001 %

Frequency Information

Gardner (MIDDLESEX), MA - NL 42-36-47; WL 72-00-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3250-3450 MHz	FX	14M7Q1N 17M6Q1N 21M5Q1N 4M40Q1N 8M80Q1N 3M70Q1N 5M50Q1N 43M0Q1N 7M30Q1N	12195 W (ERP)	0.00001 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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; 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.
- (5) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.