

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

EXPERIMENTAL

(Nature of Service)

WH2XBH

(Call Sign)

XC    FX

(Class of Station)

0057-EX-RR-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) Westford (MIDDLESEX), MA - NL 42-37-25; WL 71-29-11

Frequency Information

Westford (MIDDLESEX), MA - NL 42-37-25; WL 71-29-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2169.9 kHz	FX	169KW0W	1 W (ERP)	
2190.1-2494.9 kHz	FX	300KW0W	1 W (ERP)	
2505.1-2849.9 kHz	FX	344KW0W	1 W (ERP)	
3155.1-3399.9 kHz	FX	244KW0W	1 W (ERP)	

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

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Westford (MIDDLESEX), MA - NL 42-37-25; WL 71-29-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3500.1-3999.9 kHz	FX	499KW0W	1 W (ERP)	
4150.1-4649.9 kHz	FX	499KW0W	1 W (ERP)	
4749.9-4994.9 kHz	FX	244KW0W	1 W (ERP)	
5005.1-5449.9 kHz	FX	444KW0W	1 W (ERP)	
5730.1-6199.9 kHz	FX	469KW0W	1 W (ERP)	
6765.1-8354.9 kHz	FX	500KW0W	1 W (ERP)	
8370.1-8814.9 kHz	FX	444KW0W	1 W (ERP)	
9040.1-9994.9 kHz	FX	500KW0W	1 W (ERP)	
10100.1-11174.9 kHz	FX	500KW0W	1 W (ERP)	
11400.1-11599.9 kHz	FX	199KW0W	1 W (ERP)	

## Frequency Information

Westford (MIDDLESEX), MA - NL 42-37-25; WL 71-29-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12100.1-13199.9 kHz	FX	500KW0W	1 W (ERP)	
13410.1-14989.9 kHz	FX	500KW0W	1 W (ERP)	
15100.1-17899.9 kHz	FX	500KW0W	1 W (ERP)	
18030.1-19679.9 kHz	FX	500KW0W	1 W (ERP)	
19800.1-19989.9 kHz	FX	189KW0W	1 W (ERP)	
20010.1-21923.9 kHz	FX	500KW0W	1 W (ERP)	
22000.1-23199.9 kHz	FX	500KW0W	1 W (ERP)	
23350.1-24989.9 kHz	FX	500KW0W	1 W (ERP)	
25010.1-25549.9 kHz	FX	500KW0W	1 W (ERP)	
25670.1-29999 kHz	FX	500KW0W	1 W (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 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) Operation in frequency band 25670.1-29999 kHz is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).