

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WK9XSB

(Call Sign)

XC FX MO

(Class of Station)

1751-EX-ST-2016

(File Number)

NAME MIT Lincoln Laboratory

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

MIT Lincoln Laboratory develops Cyber-Electromagnetic capabilities for the Department of Defense.

Station Locations

- (1) Lexington (MIDDLESEX), MA - NL 42-28-18; WL 71-17-21; MOBILE: Hanscom AFB, within 250 km, centered around NL 42-28-18; WL 71-17-21

Frequency Information

Lexington (MIDDLESEX), MA - NL 42-28-18; WL 71-17-21; MOBILE: Hanscom AFB, within 250 km, centered around NL 42-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
220-230 MHz	FX	5K00F7D 10M0F7D	30 W (ERP)	0.0001 %
220-230 MHz	MO	10M0F7D 10M0F7D	15 W (ERP)	0.0001 %

This authorization effective February 01, 2017 and
will expire 3:00 A.M. EST July 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (4) MIT Lincoln Laboratory must provide Mr. Dan Moon, Hanscom AFB, a tentative weekly operating schedule via email: danforth.moon@us.af.mil
- (5) MIT Lincoln Laboratory must limit the use of the 5 kHz bandwidth to the 220-225 MHz range to protect FAA operations.
- (6) MIT Lincoln Laboratory must notch 229 MHz +/- 3 KHz to protect Marine Corps operations in the area.