

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WH9XZL

(Call Sign)

0987-EX-ST-2014

(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:

Evaluating background intensities and localization techniques of low power signals within the frequencies bands listed in the Station information.

Station Locations

- (1) MOBILE: Washington, DC, within 3.5 km, centered around NL 38-53-21; WL 77-01-52
- (2) MOBILE: National Mall Area, Washington, DC, within 3.5 km, centered around NL 38-53-21; WL 77-01-52

Frequency Information

MOBILE: Washington, DC, within 3.5 km, centered around NL 38-53-21; WL 77-01-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2483 MHz	MO	1M60F1D	100 mW (ERP)	

This authorization effective December 01, 2014 and
will expire 3:00 A.M. EST June 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: National Mall Area, Washington, DC, within 3.5 km, centered around NL 38-53-21; WL 77-01-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
430-450 MHz	MO	5M75C3F 250KF3E 1M00G1D 1M60F1D	100 mW (ERP)	
902-928 MHz	MO	5M75C3F 250KF3E 1M00G1D 1M60F1D	100 mW (ERP)	
2400-2483 MHz	MO	5M75C3F 250KF3E 1M00G1D 1M60F1D	100 mW (ERP)	
5725-5850 MHz	MO	5M75C3F 250KF3E 1M00G1D 1M60F1D	100 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 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.

Special Conditions:

- (3) MIT Lincoln Laboratory must notch out the following frequencies:
 - a. 431.75 MHz (+/- 3.25 MHz)
 - b. 434.75 MHz (+/- 3.25 MHz)
 - c. 437.75 MHz (+/- 3.25 MHz)
 - d. 440.75 MHz (+/- 3.25 MHz)
 - e. 443.75 MHz (+/- 3.25 MHz)
 - f. 446.75 MHz (+/- 3.25 MHz)
- (4) No operation permitted in 1240-1300 MHz.
- (5) Operation is subject to prior coordination with the local Broadcast Engineers (SBE) prior to operation in 2400-2483 MHz to protect the Broadcast Auxiliary Service operations.
- (6) 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.
- (7) 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 FA8721-05-C-0002. 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.