

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WA9XMI

(Call Sign)

1169-EX-ST-2026

(File Number)

NAME Massachusetts Institute of Technology Lincoln Laboratory (MITLL)

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:

The goal of the testing is to improve HF System performance.

Station Locations

(1) Christmas Valley (LAKE), OR - NL 43-16-09; WL 120-42-25

Frequency Information

Christmas Valley (LAKE), OR - NL 43-16-09; WL 120-42-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10101-11275 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
11400-11600 kHz	FX	98K0F7N	8000 W (ERP)	0.001 %

This authorization effective July 07, 2026 and
will expire 3:00 A.M. EST January 04, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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11400-11600 kHz	FX	24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
12100-12200 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	8000 W (ERP)	0.001 %
13500-13570 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
13870-14990 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	8000 W (ERP)	0.001 %

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15010-15100 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
15800-16000 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D 98K0F7N	8000 W (ERP)	0.001 %
16000-17480 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
17970-18900 kHz	FX	3K00G1D 98K0F7D 98K0F7E 49K0D1D 24K0G1D 24K0D1D	8000 W (ERP)	0.001 %

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17970-18900 kHz	FX	98K0F7N	8000 W (ERP)	0.001 %
19020-19995 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
20010-21450 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
21850-21924 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
22000-24490 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D	8000 W (ERP)	0.001 %

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22000-24490 kHz	FX	98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
25010-25550 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
26100-30000 kHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
32-33 MHz	FX	98K0F7N 24K0D1D 24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %
34-35 MHz	FX	98K0F7N 24K0D1D	8000 W (ERP)	0.001 %

Frequency Information

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34-35 MHz	FX	24K0G1D 49K0D1D 98K0F7E 98K0F7D 3K00G1D	8000 W (ERP)	0.001 %

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) Massachusetts Institute of Technology Lincoln Laboratory (MITLL) must notch out the following:
 - a. (+/- 1.4 kHz) 1635.6 kHz, 11638.4 kHz, 13455.6 kHz, 13458.4 kHz, 15849.6 kHz, 15852.4 kHz, 16346.6 kHz, 16349.4 kHz, 19408.6 kHz, 19411.4 kHz
 - b. (+/- 3 kHz) 10424 kHz, 11448 kHz, 12109 kHz, 16011 kHz, 18475 kHz, 20361 kHz, 23390 kHz
- (4) Stop Buzzer Point of Contact: Mark Besch, (781) 981-4202.