

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

EXPERIMENTAL

(Nature of Service)

WN9XCA

(Call Sign)

XC MO

(Class of Station)

1280-EX-ST-2018

(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:

The proposed experiment fulfills requirements for work supported by the Department of the Air Force under Air Force Contract No. FA8702-15-D-0001. The project is evaluating the performance

Station Locations

(1) MOBILE: South Dakota, within 350 km, centered around NL 43-52-57; WL 99-01-10

Frequency Information

MOBILE: South Dakota, within 350 km, centered around NL 43-52-57; WL 99-01-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
237.075 MHz	MO	22K0G1D	4 W (ERP)	0.0001 %
239.95 MHz	MO	22K0G1D	4 W (ERP)	0.0001 %
351.75 MHz	MO	22K0G1D	30 W (ERP)	0.0001 %

This authorization effective August 06, 2018 and
will expire 3:00 A.M. EST October 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: South Dakota, within 350 km, centered around NL 43-52-57; WL 99-01-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
352.125 MHz	MO	22K0G1D	30 W (ERP)	0.0001 %

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) NTIA concurs only with the specific channels in the MAG Coordination attachment and not the band requests. UPLINK: M352.125 and M351.750 and DOWNLINK: M239.95 and M237.075.
- (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) STOP BUZZER POINT-OF-CONTACT:
Carol Martin MIT Lincoln Laboratory 732-310-2756 (mobile)
Navid Yazdani MIT Lincoln Laboratory 339-223-1949 (mobile)
Joe Fischetti MIT Lincoln Laboratory 617-504-5151 (mobile)
- (6) MIT Lincoln Laboratory should be aware that the use of wideband emissions (22 kHz) adjacent to DOD Annex A channels may cause interference and necessitate the use of other available frequencies.