

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WL2XMF

(Call Sign)

0001-EX-CN-2021

(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(j,c) of the Commission's Rules

Station Locations

- (1) MOBILE: Within a 100 km radius of Globe, AZ, within 100 km, centered around NL 33-23-27; WL 110-47-24
- (2) MOBILE: Within 225 km radius of Palmdale, CA, within 225 km, centered around NL 34-34-47; WL 118-06-59

Frequency Information

MOBILE: Within a 100 km radius of Globe, AZ, within 100 km, centered around NL 33-23-27; WL 110-47-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2290 MHz	MO	1M00G1D	4 W (ERP)	0.0001 %

MOBILE: Within 225 km radius of Palmdale, CA, within 225 km, centered around NL 34-34-47; WL 118-06-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2207 MHz	MO	1M00G1D	4 W (ERP)	0.0001 %

This authorization effective June 03, 2021 and
will expire 3:00 A.M. EST June 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Within 225 km radius of Palmdale, CA, within 225 km, centered around NL 34-34-47; WL 118-06-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2211-2251 MHz	MO	1M00G1D	4 W (ERP)	0.0001 %
2254-2261 MHz	MO	1M00G1D	4 W (ERP)	0.0001 %
2264-2290 MHz	MO	1M00G1D	4 W (ERP)	0.0001 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Operation must be coordinated with NASA Long Beach, CA, NASA Berk, CA(37-52-48N 122-14-38W),and NASA ARC,CA.
- (6) Licensee must coordinate with NASA White Sands, NM.
- (7) Operation in the following bands are not permitted for Palmdale, CA :
2207-2211 MHz
2251-2254 MHz
2261-2264 MHz