

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WK2XJP

(Call Sign)

0033-EX-CM-2020

(File Number)

NAME Systems & Technology Research

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(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Boston, MA: max altitude 10,000 ft. AGL, within 112 km, centered around NL 42-21-46; WL 71-00-23

Frequency Information

MOBILE: Boston, MA: max altitude 10,000 ft. AGL, within 112 km, centered around NL 42-21-46; WL 71-00-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.39 GHz	MO	10M0G1D	79.6 W (ERP)	5.0E-6 %
2.39 GHz	MO	10M0G1D	6.3 W (ERP)	5.0E-6 %
2.39 GHz	MO	10M0G1D	2.5 W (ERP)	5.0E-6 %

This authorization effective February 25, 2020 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, and 2360-2390 MHz was coordinated prior to authorization with the Air Force Spectrum Management Office, Fort Meade, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the Air Force Spectrum Management Office, Fort Meade, MD, as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF AFRL Contract No. FA8750-18-C-0023, USAFLCMD Hanscom AFB Contract No. FA8762-20-C-0014 and USAF AFRL Wright Patterson Contract No. FA8650-19-C-7927. 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.
- (4) Stop Buzzer POC is Nathan Merritt.
Phone: (339)999-2696