

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

EXPERIMENTAL

(Nature of Service)

WK2XJP

(Call Sign)

XC MO

(Class of Station)

0550-EX-CN-2019

(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 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective August 29, 2019 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Prior to commencing any operations in Aeronautical and Fixed frequencies (2360-2395 MHz), the applicant must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF AFRL CONTRACT NUMBER FA8750-18-C-0023. 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.
- (6) USE OF THIS FREQUENCY UNDER THE AUTHORITY OF THIS ASSIGNMENT IS SUBJECT TO FURTHER COORDINATION WITH HQ USAF FRQ COORDINATOR ALEXANDRIA, VA., TO ENSURE COMPATIBILITY WITH EXISTING USES

United States Air Force Area Frequency Coordinator (USAF AFC)

ATTN:

AFSMO/SQA

6910 Cooper Ave.

Fort Meade, MD 20755-7088

COM: (301) 225-3719 DSN: 375-3719

FAX COM: (301) 225-0583

- (7) Stop Buzzer POC is Nathan Merritt.
Phone: (339)999-2696