

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WK2XKB

(Call Sign)

0548-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(J) 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 (+/-)
9.2-10.2 GHz	MO	800MQ3N	631 mW (ERP)	
9.2-10.2 GHz	MO	800MQ3N	1.55 MW (ERP)	0.1 %

Special Conditions:

- (1) 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

This authorization effective August 26, 2019 and
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) NTIA's concurrence is based upon the expectation that the authorized emission bandwidth shall be so located within the band that it does not extend beyond the upper or lower limits of the requested band in this application.
- (5) Systems & Technology Research must note that operation in the 9.2-10.2 GHz band is subject to immediate shutdown, if it causes harmful interference to NASA EXRAD Radar.
- (6) STOP BUZZER POC IS NATHAN MERRITT
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