

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

EXPERIMENTAL

(Nature of Service)

WQ9XNZ

(Call Sign)

XT MO

(Class of Station)

1319-EX-ST-2020

(File Number)

NAME Systems & Technology Research

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:**

Series of technology maturation tests to be performed by the STR team throughout CY2020 and early CY2021 at Camp Edwards, MA.

**Station Locations**

- (1) MOBILE: Camp Edwards, MA: R4101 SFC, within 0.22 km, centered around NL 41-41-51; WL 70-31-06
- (2) MOBILE: Camp Edwards MA: R4101 max altitude 9000 ft MSL, within 0.22 km, centered around NL 41-41-51; WL 70-31-06

**Frequency Information**

MOBILE: Camp Edwards, MA: R4101 SFC, within 0.22 km, centered around NL 41-41-51; WL 70-31-06

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1.38-1.39 GHz | MO            | 50K0Q3N             | 3.8 kW (ERP)     | 8.0E-8 %                  |

This authorization effective September 29, 2020 and  
will expire 3:00 A.M. EST February 28, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Camp Edwards MA: R4101 max altitude 9000 ft MSL, within 0.22 km, centered around NL 41-41-51; WL 70-31-06

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1.38-1.39 GHz | MO            | 50K0Q3N             | 2 W (ERP)        | 4.0E-8 %                  |

## Special Conditions:

- (1) In accordance with Footnote US342 to the U.S. Table of Allocations, NTIA non-concurs with the requested operation at the Fort Devens, MA location only. The proximity of the Fort Devens, MA operating location with the Hancock, NH Very Long Baseline Array (VLBA) and the substantial power level requested is likely to cause significant interference to the VLBA.