

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

EXPERIMENTAL

(Nature of Service)

WM9XLX

(Call Sign)

XT MO

(Class of Station)

0443-EX-ST-2018

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

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:**

The testing conducted by BAE Systems is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts.

**Station Locations**

- (1) MOBILE: Temporary Fixed Ground Operations Merrimack NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18

**Frequency Information**

MOBILE: Temporary Fixed Ground Operations Merrimack NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 24-24.05 GHz    | MO            | N0N<br>0M50F3N      | 2518 W (ERP)     |                           |
| 24.05-24.25 GHz | MO            | N0N<br>1M00F3N      | 2518 W (ERP)     |                           |

This authorization effective April 09, 2018 and  
will expire 3:00 A.M. EST October 10, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Temporary Fixed Ground Operations Merrimack NH, within 0.5 km, centered around NL 42-48-39; WL 71-29-18

| Frequency         | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------------|---------------|---------------------|------------------|---------------------------|
| 24.399-24.401 GHz | MO            | N0N<br>1M00F3N      | 2518 W (ERP)     |                           |
| 24.65-24.7 GHz    | MO            | N0N<br>1M00F3N      | 2518 W (ERP)     |                           |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to prior coordination with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d).
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (5) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (6) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (7) Experimental station shall use the minimum power level necessary to close the communications link to minimize potential interference to licensed users.
- (8) The stop buzzer contact for this project: Primary: Austin Dionne 603-540-1620, Alternate: Jacob Freedman 603-867-1028
- (9) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (10) No automatic renewal for this authorization.