

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

EXPERIMENTAL

(Nature of Service)

WF2XRY

(Call Sign)

XT MO

(Class of Station)

0042-EX-RR-2013

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Locations, Merrimack, NH, within 0.2 km, centered around  
NL 42-48-30; WL 71-29-15

Frequency Information

MOBILE: Temporary Fixed Locations, Merrimack, NH, within 0.2 km, centered around NL 42-48-30; WL 71-29-15

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1 MHz     | MO            | NON                 | 0.1 W (ERP)      |                           |
| 3 MHz     | MO            | NON                 | 0.1 W (ERP)      |                           |
| 30 MHz    | MO            | NON                 | 0.1 W (ERP)      |                           |
| 50 MHz    | MO            | NON                 | 0.1 W (ERP)      |                           |

This authorization effective April 01, 2013 and  
will expire 3:00 A.M. EST September 16, 2014

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COMMUNICATIONS  
COMMISSION**

## Frequency Information

MOBILE: Temporary Fixed Locations, Merrimack, NH, within 0.2 km, centered around NL 42-48-30; WL 71-29-15

| Frequency    | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------|---------------|---------------------|------------------|---------------------------|
| 100 MHz      | MO            | N0N                 | 0.1 W (ERP)      |                           |
| 423 MHz      | MO            | N0N                 | 0.1 W (ERP)      |                           |
| 942.275 MHz  | MO            | N0N                 | 0.007 W (ERP)    |                           |
| 1040.35 MHz  | MO            | N0N                 | 0.007 W (ERP)    |                           |
| 1195.095 MHz | MO            | N0N                 | 0.007 W (ERP)    |                           |
| 1544 MHz     | MO            | N0N                 | 0.007 W (ERP)    |                           |
| 1757 MHz     | MO            | N0N                 | 0.007 W (ERP)    |                           |
| 2000 MHz     | MO            | N0N                 | 0.007 W (ERP)    |                           |
| 3000 MHz     | MO            | N0N                 | 0.007 W (ERP)    |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, 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.

**Special Conditions:**

- (3) Licensee must get consent from Educational Broadband Service and Advanced Wireless licensees prior to operating on 2000 MHz.
- (4) The designated point-of-contact to terminate the system if having interference occurs is George Moynihan (603) 689-8630 and BAE Systems Emergency Services Center (603) 885-3842.
- (5) Operation is subject to prior coordination with FAA Eastern JFK International Airport, New York, ATTN: Frequency Management Office Phone 718-712-8343.
- (6) Operation is NOT PERMITTED use of the frequencies 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz and 2280 MHz due to potential harmful interference to Federal Government operations.