

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

EXPERIMENTAL

(Nature of Service)

WE2XIZ

(Call Sign)

XD      FX

(Class of Station)

0479-EX-RR-2015

(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) Merrimack (HILLSBOROUGH), NH - NL 42-48-30; WL 71-29-15

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-30; WL 71-29-15

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 2-2.1818 MHz    | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 2-2.1818 MHz    | FX            | N0N                 | 5 W (ERP)        |                           |
| 2.185-2.494 MHz | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 2.185-2.494 MHz | FX            | N0N                 | 5 W (ERP)        |                           |

This authorization effective January 01, 2016 and  
will expire 3:00 A.M. EST January 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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|------------------|---------------|---------------------|------------------|---------------------------|
| 2.506-2.849 MHz  | FX            | N0N                 | 5 W (ERP)        |                           |
| 2.506-3.0228 MHz | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 3.026-4.1248 MHz | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 3.026-3.399 MHz  | FX            | N0N                 | 5 W (ERP)        |                           |
| 3.51-4.1248 MHz  | FX            | N0N                 | 5 W (ERP)        |                           |
| 4.128-4.995 MHz  | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 4.128-4.649 MHz  | FX            | N0N                 | 5 W (ERP)        |                           |
| 4.71-4.995 MHz   | FX            | N0N                 | 5 W (ERP)        |                           |
| 5.005-5.449 MHz  | FX            | N0N                 | 5 W (ERP)        |                           |
| 5.006-9.994 MHz  | FX            | N0N                 | 0.1 W (ERP)      |                           |

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|-------------------|---------------|---------------------|------------------|---------------------------|
| 5.681-6.524 MHz   | FX            | N0N                 | 5 W (ERP)        |                           |
| 6.686-8.814 MHz   | FX            | N0N                 | 5 W (ERP)        |                           |
| 8.966-9.994 MHz   | FX            | N0N                 | 5 W (ERP)        |                           |
| 10.006-14.98 MHz  | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 10.101-11.274 MHz | FX            | N0N                 | 5 W (ERP)        |                           |
| 11.401-13.259 MHz | FX            | N0N                 | 5 W (ERP)        |                           |
| 13.361-14.99 MHz  | FX            | N0N                 | 5 W (ERP)        |                           |
| 15.02-19.98 MHz   | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 20.02-24.98 MHz   | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 25.1-60 MHz       | FX            | N0N                 | 0.1 W (ERP)      |                           |

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|----------------|---------------|---------------------|------------------|---------------------------|
| 60-74.79 MHz   | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 75.401-107 MHz | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 89.5 MHz       | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 89.9 MHz       | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 94.9 MHz       | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 98.7 MHz       | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 105.1 MHz      | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 112 MHz        | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 113.95 MHz     | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 116.35 MHz     | FX            | N0N                 | 0.1 W (ERP)      |                           |

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|-------------|---------------|---------------------|------------------|---------------------------|
| 121.725 MHz | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 130 MHz     | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 132 MHz     | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 134.1 MHz   | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 136 MHz     | FX            | N0N                 | 0.1 W (ERP)      |                           |
| 138-150 MHz | FX            | N0N                 | 0.1 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The following distress, safety and calling frequencies can not be used plus or minus 1.5 kHz: 2183.4 kHz, 3024.4 kHz and 4126.4 kHz.
- (5) Operations on the frequencies 130 MHz and 132 MHz must be prior coordinated with ARINC.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is George Moynihan (603) 689-8630 or BAE Systems Emergency Services Center - (603) 885-3842.
- (7) Operation is subject to prior coordination with FAA Eastern JFK International Airport, New York, ATTN: Frequency Management Office, phone (718) 712-8343.
- (8) Operation must NOTCH OUT +/- 25 kHz of 75 MHz.

**Special Conditions:**

- (9) Operation is NOT PERMITTED using the following frequency band 2.495-2.505 MHz, 4.995-5.005 MHz, 9.995-10.005 MHz, 14.99-15.01 MHz, 19.99-20.01 MHz, 24.99-25.10 MHz, and 73-74.6 MHz.