

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WE2XBR

(Call Sign)

0015-EX-PL-2006

(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(g, i) of the Commission's Rules

Station Locations

(1) MERRIMACK (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-26

Frequency Information

MERRIMACK (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-26

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 700 MHz   | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 800 MHz   | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 1103 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 1300 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |

This authorization effective February 12, 2008 and  
will expire 3:00 A.M. EST July 30, 2009

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MERRIMACK (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-26

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 2000 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 2200 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 2500 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 2700 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 3000 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 3250 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 3700 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |
| 4200 MHz  | FX            | 0H00N0N             | 182 W (ERP)      |                           |

## Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA New England Coordinator, Burlington, MA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA New England Coordinator, Burlington, MA, as necessary to ensure compatibility with existing uses.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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:**

- (4) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE) within 100 km from the test site; ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (5) Under no circumstances is the ERP to exceed 182 Watts.
- (6) The applicant is restricted from transmitting on frequencies 1000 MHz, 1200 MHz and 4300 MHz.
- (7) The applicant agrees to accept and implement any future modifications to their operation as directed by the FAA to include ceasing operations, or adding additional frequency restrictions so that future FAA operational requirements can be supported.