

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

EXPERIMENTAL  
(Nature of Service)  
  
XC      FX  
(Class of Station)

WD2XUQ  
(Call Sign)  
  
0155-EX-RR-2007  
(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(b d) 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 (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 0.85 MHz  | FX            | NON                 | 0.061 W (ERP)    |                           |
| 0.9 MHz   | FX            | NON                 | 0.061 W (ERP)    |                           |
| 0.95 MHz  | FX            | NON                 | 0.061 W (ERP)    |                           |
| 1 MHz     | FX            | NON                 | 0.061 W (ERP)    |                           |

This authorization effective    November 01, 2007    and  
will expire 3:00 A.M. EST    November 01, 2009

FEDERAL  
COMMUNICATIONS  
COMMISSION



## Frequency Information

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| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1.5 MHz   | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 2 MHz     | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 2.51 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 2.84 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 3.5 MHz   | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 4 MHz     | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 4.5 MHz   | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 5.01 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 5.44 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 6 MHz     | FX            | N0N                 | 0.061 W (ERP)    |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 6.5 MHz   | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 7 MHz     | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 7.5 MHz   | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 8 MHz     | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 8.5 MHz   | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 9.05 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 9.5 MHz   | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 9.99 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 10.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 11 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 11.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 12 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 12.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 13 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 13.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 14 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 14.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 14.98 MHz | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 15.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 16 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 16.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 17 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 17.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 18.04 MHz | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 18.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 19 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 19.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 20.02 MHz | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 20.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 21 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 21.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 22 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 22.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 23 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 23.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 24 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 24.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 25.02 MHz | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 25.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 26 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 26.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 27 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 27.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 28 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 28.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 29 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 29.5 MHz  | FX            | N0N                 | 0.061 W (ERP)    |                           |
| 30 MHz    | FX            | N0N                 | 0.061 W (ERP)    |                           |

## Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); 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; information, www.sbe.org.
- (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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

**Special Conditions:**

- (4) "Stop Buzzer" contact Brian Egan shall be available during testing at 603-885-2449 to cease operations in the event of any interference.