

**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)

0199-EX-RR-2009

(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, 2009 and
will expire 3:00 A.M. EST November 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

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)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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) 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) "Stop Buzzer" contact Brian Egan shall be available during testing at 603-885-2449 to cease operations in the event of any interference.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Military contract number DAAE07-03-9-F001. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of contract designated in the related application and enumerated.