

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

FX

(Class of Station)

WC9XEA

(Call Sign)

0245-EX-ST-2005

(File Number)

NAME BAE SYSTEMS Information and Electronic Systems Integration Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

System verification and antenna testing.

Station Locations

(1) Merrimack (HILLSBOROUGH), NH - NL 42-48-39; WL 71-29-11

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-39; WL 71-29-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.85 MHz	FX		0.061 W (ERP)	
0.9 MHz	FX		0.061 W (ERP)	
0.95 MHz	FX		0.061 W (ERP)	

This authorization effective May 23, 2005 and
will expire 3:00 A.M. EST August 23, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-39; WL 71-29-11

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

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6 MHz	FX		0.061 W (ERP)	
6.5 MHz	FX		0.061 W (ERP)	
7 MHz	FX		0.061 W (ERP)	
7.5 MHz	FX		0.061 W (ERP)	
8 MHz	FX		0.061 W (ERP)	
8.5 MHz	FX		0.061 W (ERP)	
9.05 MHz	FX		0.061 W (ERP)	
9.5 MHz	FX		0.061 W (ERP)	
9.99 MHz	FX		0.061 W (ERP)	
10.5 MHz	FX		0.061 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11 MHz	FX		0.061 W (ERP)	
11.5 MHz	FX		0.061 W (ERP)	
12 MHz	FX		0.061 W (ERP)	
12.5 MHz	FX		0.061 W (ERP)	
13 MHz	FX		0.061 W (ERP)	
13.5 MHz	FX		0.061 W (ERP)	
14 MHz	FX		0.061 W (ERP)	
14.5 MHz	FX		0.061 W (ERP)	
14.98 MHz	FX		0.061 W (ERP)	
15.5 MHz	FX		0.061 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16 MHz	FX		0.061 W (ERP)	
16.5 MHz	FX		0.061 W (ERP)	
17 MHz	FX		0.061 W (ERP)	
17.5 MHz	FX		0.061 W (ERP)	
18.04 MHz	FX		0.061 W (ERP)	
18.5 MHz	FX		0.061 W (ERP)	
19 MHz	FX		0.061 W (ERP)	
19.5 MHz	FX		0.061 W (ERP)	
20.02 MHz	FX		0.061 W (ERP)	
20.5 MHz	FX		0.061 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
21 MHz	FX		0.061 W (ERP)	
21.5 MHz	FX		0.061 W (ERP)	
22 MHz	FX		0.061 W (ERP)	
22.5 MHz	FX		0.061 W (ERP)	
23 MHz	FX		0.061 W (ERP)	
23.5 MHz	FX		0.061 W (ERP)	
24 MHz	FX		0.061 W (ERP)	
24.5 MHz	FX		0.061 W (ERP)	
25.02 MHz	FX		0.061 W (ERP)	
25.5 MHz	FX		0.061 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
26 MHz	FX		0.061 W (ERP)	
26.5 MHz	FX		0.061 W (ERP)	
27 MHz	FX		0.061 W (ERP)	
27.5 MHz	FX		0.061 W (ERP)	
28 MHz	FX		0.061 W (ERP)	
28.5 MHz	FX		0.061 W (ERP)	
29 MHz	FX		0.061 W (ERP)	
29.5 MHz	FX		0.061 W (ERP)	
30 MHz	FX		0.061 W (ERP)	
30-74.8 MHz	FX		0.061 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
75.2-108.8 MHz	FX		0.061 W (ERP)	
135.9-152.885 MHz	FX		0.061 W (ERP)	
154-156.515 MHz	FX		0.061 W (ERP)	
156.535-156.79 MHz	FX		0.061 W (ERP)	
156.81-161.625 MHz	FX		0.061 W (ERP)	
161.775-162 MHz	FX		0.061 W (ERP)	
174-228.6 MHz	FX		0.061 W (ERP)	
228.8-454 MHz	FX		0.061 W (ERP)	
456-470 MHz	FX		0.061 W (ERP)	
608-614 MHz	FX		0.061 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
809-928 MHz	FX		0.061 W (ERP)	
933-935 MHz	FX		0.061 W (ERP)	
941-944 MHz	FX		0.061 W (ERP)	
1215-1850 MHz	FX		0.061 W (ERP)	
2150-2160 MHz	FX		0.061 W (ERP)	
2200-2450 MHz	FX		0.061 W (ERP)	
2655-2700 MHz	FX		0.061 W (ERP)	
2900-4200 MHz	FX		0.061 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) Use of the following frequencies within plus or minus 10 kHz is NOT permitted:

M156.525, M156.800, M228.9, M239.025, M243.000, M254.25, M255.40, M260.9, M263.05, M279.60, M307.90 M330.50, M331.40, M331.550, M332.60, M333.20, M333.50, M333.65, M338.20, M348.70, M360.60, M364.20, M370.90, M381.40, M385.45 and M406.100.

- (4) "Stop Buzzer" contact Steve Summers shall be available during testing at 603-885-1707 to cease operations in the event of any interference.