

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

EXPERIMENTAL

(Nature of Service)

WH9XLD

(Call Sign)

XT FX

(Class of Station)

0228-EX-ST-2014

(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:

This demonstration will be conducted to meet requirements of a government contract.

Station Locations

(1) Merrimack (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-24

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
378.775 MHz	FX	NON	1 W (Output Power)	
449.3 MHz	FX	NON	1 W (Output Power)	
757.55 MHz	FX	NON	1 W (Output Power)	

This authorization effective September 01, 2014 and
will expire 3:00 A.M. EST March 02, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
820 MHz	FX	N0N	1 W (Output Power)	
898.6 MHz	FX	N0N	1 W (Output Power)	
923.55 MHz	FX	N0N	1 W (Output Power)	
1010 MHz	FX	N0N	1 W (Output Power)	
1347.9 MHz	FX	N0N	1 W (Output Power)	
1490 MHz	FX	N0N	1 W (Output Power)	
1500 MHz	FX	N0N	1 W (Output Power)	
1640 MHz	FX	N0N	1 W (Output Power)	
2302 MHz	FX	N0N	1 W (Output Power)	
2400 MHz	FX	N0N	1 W (Output Power)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2420 MHz	FX	N0N	1 W (Output Power)	
3000 MHz	FX	N0N	1 W (Output Power)	
3054 MHz	FX	N0N	1 W (Output Power)	
3100 MHz	FX	N0N	1 W (Output Power)	
3200 MHz	FX	N0N	1 W (Output Power)	
3280 MHz	FX	N0N	1 W (Output Power)	
3500 MHz	FX	N0N	1 W (Output Power)	
3700 MHz	FX	N0N	1 W (Output Power)	
3900 MHz	FX	N0N	1 W (Output Power)	
4000 MHz	FX	N0N	1 W (Output Power)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4072 MHz	FX	N0N	1 W (Output Power)	
4100 MHz	FX	N0N	1 W (Output Power)	
4200 MHz	FX	N0N	1 W (Output Power)	
4470 MHz	FX	N0N	1 W (Output Power)	
4500 MHz	FX	N0N	1 W (Output Power)	
4600 MHz	FX	N0N	1 W (Output Power)	
4604 MHz	FX	N0N	1 W (Output Power)	
4800 MHz	FX	N0N	1 W (Output Power)	
4840 MHz	FX	N0N	1 W (Output Power)	
4900 MHz	FX	N0N	1 W (Output Power)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4920 MHz	FX	N0N	1 W (Output Power)	
5260 MHz	FX	N0N	1 W (Output Power)	
5800 MHz	FX	N0N	1 W (Output Power)	
5845 MHz	FX	N0N	1 W (Output Power)	
5920 MHz	FX	N0N	1 W (Output Power)	
6108 MHz	FX	N0N	1 W (Output Power)	
6200 MHz	FX	N0N	1 W (Output Power)	
6400 MHz	FX	N0N	1 W (Output Power)	
6560 MHz	FX	N0N	1 W (Output Power)	

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) Operation must NOTCH OUT 615.7 MHz, 1136.325 MHz, 2036 MHz, 2460 MHz, 6906 MHz and 7000 MHz.
- (4) Operation is subject to prior coordination with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) for the following frequencies: 3700 MHz, 3900 MHz, 4000 MHz, 4072 MHz, 4100 MHz and 4200 MHz, 6108 MHz, 6200 MHz, 6400 MHz, 6560 MHz.
- (5) Operation shall immediately cease if such operation causes harmful radio interference to the other microwave users.
- (6) The power input into the antenna shall not exceed 1 watt.
- (7) The designated point of contact to terminate the systems if interference occurs is George Moynihan (603) 689-8630 or BAE Systems Emergency Services Center (603) 885-3842.