

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

EXPERIMENTAL

(Nature of Service)

WG9XPP

(Call Sign)

XT FX

(Class of Station)

0121-EX-ST-2013

(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 STA request is sought to allow BAE Systems to evaluate a configuration of an existing antenna range to support IR&D as well as government contract work.

Station Locations

- (1) Merrimack (HILLSBOROUGH), NH - NL 42-48-40; WL 71-29-24
- (2) Merrimack (HILLSBOROUGH), NH - NL 42-48-46; WL 71-29-23

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
301.775 MHz	FX	NON	10 W (ERP)	
304.8 MHz	FX	NON	10 W (ERP)	
307.85 MHz	FX	NON	10 W (ERP)	

This authorization effective June 11, 2013 and
will expire 3:00 A.M. EST September 19, 2013

**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 (+/-)
310.618 MHz	FX	N0N	10 W (ERP)	
310.925 MHz	FX	N0N	10 W (ERP)	
314.025 MHz	FX	N0N	10 W (ERP)	
317.175 MHz	FX	N0N	10 W (ERP)	
320.35 MHz	FX	N0N	10 W (ERP)	
323.55 MHz	FX	N0N	10 W (ERP)	
326.775 MHz	FX	N0N	10 W (ERP)	
336.675 MHz	FX	N0N	10 W (ERP)	
340.05 MHz	FX	N0N	10 W (ERP)	
343.45 MHz	FX	N0N	10 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
346.618 MHz	FX	N0N	10 W (ERP)	
346.875 MHz	FX	N0N	10 W (ERP)	
357.4 MHz	FX	N0N	10 W (ERP)	
360.975 MHz	FX	N0N	10 W (ERP)	
364.575 MHz	FX	N0N	10 W (ERP)	
368.225 MHz	FX	N0N	10 W (ERP)	
375.625 MHz	FX	N0N	10 W (ERP)	
379.375 MHz	FX	N0N	10 W (ERP)	
383.175 MHz	FX	N0N	10 W (ERP)	
387.175 MHz	FX	N0N	10 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
390.875 MHz	FX	N0N	10 W (ERP)	
391.175 MHz	FX	N0N	10 W (ERP)	
394.775 MHz	FX	N0N	10 W (ERP)	
398.725 MHz	FX	N0N	10 W (ERP)	
402.725 MHz	FX	N0N	10 W (ERP)	
423.275 MHz	FX	N0N	10 W (ERP)	
427.5 MHz	FX	N0N	10 W (ERP)	
431.775 MHz	FX	N0N	10 W (ERP)	
436.1 MHz	FX	N0N	10 W (ERP)	
440.45 MHz	FX	N0N	10 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
444.85 MHz	FX	N0N	10 W (ERP)	
449.3 MHz	FX	N0N	10 W (ERP)	
453.8 MHz	FX	N0N	10 W (ERP)	
456-470 MHz	FX	N0N	10 W (ERP)	
472.225 MHz	FX	N0N	10 W (ERP)	
476.95 MHz	FX	N0N	10 W (ERP)	
481.725 MHz	FX	N0N	10 W (ERP)	
486.525 MHz	FX	N0N	10 W (ERP)	
491.4 MHz	FX	N0N	10 W (ERP)	
496.3 MHz	FX	N0N	10 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-605 MHz	FX	N0N	10 W (ERP)	
620-930 MHz	FX	N0N	10 W (ERP)	
933-960 MHz	FX	N0N	10 W (ERP)	
1018 MHz	FX	N0N	10 W (ERP)	
1040.35 MHz	FX	N0N	10 W (ERP)	
1195.095 MHz	FX	N0N	10 W (ERP)	
1356 MHz	FX	N0N	10 W (ERP)	
1427-1550 MHz	FX	N0N	10 W (ERP)	
1600-1660.5 MHz	FX	N0N	10 W (ERP)	
1668.4-1750 MHz	FX	N0N	10 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1750-1845 MHz	FX	N0N	10 W (ERP)	
1845-1950 MHz	FX	N0N	10 W (ERP)	
1950-2050 MHz	FX	N0N	10 W (ERP)	
2300-2315 MHz	FX	N0N	10 W (ERP)	
2350-2600 MHz	FX	N0N	10 W (ERP)	
2745.275 MHz	FX	N0N	10 W (ERP)	
2768.6 MHz	FX	N0N	10 W (ERP)	
2851.6 MHz	FX	N0N	10 W (ERP)	
2856.2 MHz	FX	N0N	10 W (ERP)	
2900-4200 MHz	FX	N0N	10 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	FX	N0N	10 W (ERP)	
5250-6000 MHz	FX	N0N	10 W (ERP)	

Merrimack (HILLSBOROUGH), NH - NL 42-48-46; WL 71-29-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
301.775 MHz	FX	N0N	10 W (ERP)	
304.8 MHz	FX	N0N	10 W (ERP)	
307.85 MHz	FX	N0N	10 W (ERP)	
310.618 MHz	FX	N0N	10 W (ERP)	
310.925 MHz	FX	N0N	10 W (ERP)	
314.025 MHz	FX	N0N	10 W (ERP)	
317.175 MHz	FX	N0N	10 W (ERP)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-46; WL 71-29-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
320.35 MHz	FX	N0N	10 W (ERP)	
323.55 MHz	FX	N0N	10 W (ERP)	
326.775 MHz	FX	N0N	10 W (ERP)	
336.675 MHz	FX	N0N	10 W (ERP)	
340.05 MHz	FX	N0N	10 W (ERP)	
343.45 MHz	FX	N0N	10 W (ERP)	
346.618 MHz	FX	N0N	10 W (ERP)	
346.875 MHz	FX	N0N	10 W (ERP)	
357.4 MHz	FX	N0N	10 W (ERP)	
360.975 MHz	FX	N0N	10 W (ERP)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-46; WL 71-29-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
364.575 MHz	FX	N0N	10 W (ERP)	
368.225 MHz	FX	N0N	10 W (ERP)	
375.625 MHz	FX	N0N	10 W (ERP)	
379.375 MHz	FX	N0N	10 W (ERP)	
383.175 MHz	FX	N0N	10 W (ERP)	
387.175 MHz	FX	N0N	10 W (ERP)	
390.875 MHz	FX	N0N	10 W (ERP)	
391.175 MHz	FX	N0N	10 W (ERP)	
394.775 MHz	FX	N0N	10 W (ERP)	
398.725 MHz	FX	N0N	10 W (ERP)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-46; WL 71-29-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
402.725 MHz	FX	N0N	10 W (ERP)	
423.275 MHz	FX	N0N	10 W (ERP)	
427.5 MHz	FX	N0N	10 W (ERP)	
431.775 MHz	FX	N0N	10 W (ERP)	
436.1 MHz	FX	N0N	10 W (ERP)	
440.45 MHz	FX	N0N	10 W (ERP)	
444.85 MHz	FX	N0N	10 W (ERP)	
449.3 MHz	FX	N0N	10 W (ERP)	
453.8 MHz	FX	N0N	10 W (ERP)	
456-470 MHz	FX	N0N	10 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
472.225 MHz	FX	N0N	10 W (ERP)	
476.95 MHz	FX	N0N	10 W (ERP)	
481.725 MHz	FX	N0N	10 W (ERP)	
486.525 MHz	FX	N0N	10 W (ERP)	
491.4 MHz	FX	N0N	10 W (ERP)	
496.3 MHz	FX	N0N	10 W (ERP)	
500-605 MHz	FX	N0N	10 W (ERP)	
620-930 MHz	FX	N0N	10 W (ERP)	
933-960 MHz	FX	N0N	10 W (ERP)	
1018 MHz	FX	N0N	10 W (ERP)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-46; WL 71-29-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1040.35 MHz	FX	N0N	10 W (ERP)	
1195.095 MHz	FX	N0N	10 W (ERP)	
1356 MHz	FX	N0N	10 W (ERP)	
1427-1550 MHz	FX	N0N	10 W (ERP)	
1600-1660.5 MHz	FX	N0N	10 W (ERP)	
1668.4-1750 MHz	FX	N0N	10 W (ERP)	
1750-1845 MHz	FX	N0N	10 W (ERP)	
1845-1950 MHz	FX	N0N	10 W (ERP)	
1950-2050 MHz	FX	N0N	10 W (ERP)	
2300-2315 MHz	FX	N0N	10 W (ERP)	

Frequency Information

Merrimack (HILLSBOROUGH), NH - NL 42-48-46; WL 71-29-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2350-2600 MHz	FX	N0N	10 W (ERP)	
2745.275 MHz	FX	N0N	10 W (ERP)	
2768.6 MHz	FX	N0N	10 W (ERP)	
2851.6 MHz	FX	N0N	10 W (ERP)	
2856.2 MHz	FX	N0N	10 W (ERP)	
2900-4200 MHz	FX	N0N	10 W (ERP)	
4400-4940 MHz	FX	N0N	10 W (ERP)	
5250-6000 MHz	FX	N0N	10 W (ERP)	

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the HQ USAF Frequency Coordinator, Alexandria, VA., who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the HQ USAF Frequency Coordinator, Alexandria, VA., as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (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.
- (4) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (5) Licensee must get consent from the Advanced Wireless Service, Education Broadband Services and Broadband Radio Service licensees prior to operations.
- (6) Operation is subject to coordinate with the local SBE frequency coordinator and the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (7) Licensee must maintain separation from the grandfathered earth stations as defined in Part 90 subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz
- (8) Ensure that the operations will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the area.
- (9) The band 2345-2360 MHz has been re-allocated on a primary basis to the Wireless Communications Service (WCS). Additional coordination with WCS is required.
- (10) Operation is NOT PERMITTED using the frequencies and bands: 371.9 MHz, 763-775 MHz, 793-805 MHz, 1400-1427 MHz, 1550-1600 MHz, 1660.5-1668.4 MHz, and 4990-5000 MHz.
- (11) Operation is subject to prior coordination with FAA Eastern Regional Office, JFK International Airport, NY 11430, Attn: Frequency Management Office; Telephone 718-712-8343.
- (12) The designated point-of-contact to terminate the systems if interference occurs is George Moynihan - (603) 689-8630 and BAE Systems Emergency Services Center - (603) 885-3842.
- (13) For the radiolocation frequencies 2745.275 MHz, 2768.6 MHz, 2851.6 MHz, and 2856.2 MHz, previous coordination requested sector blanking 0-270 degrees true north. If there are any issues with this request, please contact Thomas Ahn 202-493-4909.