

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

EXPERIMENTAL

(Nature of Service)

WJ2XXQ

(Call Sign)

XC FX

(Class of Station)

0458-EX-CN-2018

(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(h) of the Commission's Rules

Station Locations

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

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1025-1035 MHz	FX	NON	1 W (ERP)	
1059.6-1060.4 MHz	FX	NON	100 W (ERP)	
1087-1093 MHz	FX	NON	1 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.

This authorization effective October 01, 2019 and
will expire 3:00 A.M. EST December 31, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operation is subject to prior coordination with FAA.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NAVAIR, N00019-15-C-0038. 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 the contract designated in the related application and enumerated above.
- (5) The Stop Buzzers, George Moynihan - 603-689-8630 and BAE Systems Emergency Services Center - 603-885-3842.
- (6) For 1025-1035 MHz and 1087-1093 MHz, ERP is limited to 1W.
- (7) The 25 dBi gain parabolic antenna should be pointed 190 degrees referenced to true North.
- (8) Licensee is willing to accept all the conditions that were imposed by FAA.
- (9) Licensee shall notify the FAA Spectrum Management Office of each and every OE-120()/UPX antenna sell off event at least one week prior to the event and provide current contact information for the event.
- (10) The FAA will not extend the use of the 1030 and 1090 MHz.
- (11) For 1025-1035 MHz and 1087-1093 MHz, the following information will be required:
 - 1- 360 degrees antenna pattern azimuth and at least 90 degrees for elevation.
 - 2- Spectrum mask of at least the +/- 10 MHz from the center frequency.