

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WE2XBR

(Call Sign)

0562-EX-CR-2019

(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(g, i) 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 (+/-)
700 MHz	FX	N0N	182 W (ERP)	
800 MHz	FX	N0N	182 W (ERP)	
1103 MHz	FX	N0N	182 W (ERP)	
1300 MHz	FX	N0N	182 W (ERP)	

This authorization effective November 01, 2019 and
will expire 3:00 A.M. EST November 01, 2021

**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 (+/-)
2000 MHz	FX	N0N	182 W (ERP)	
2200 MHz	FX	N0N	182 W (ERP)	
2500 MHz	FX	N0N	182 W (ERP)	
2700 MHz	FX	N0N	182 W (ERP)	
3000 MHz	FX	N0N	182 W (ERP)	
3250 MHz	FX	N0N	182 W (ERP)	
3700 MHz	FX	N0N	182 W (ERP)	
4200 MHz	FX	N0N	182 W (ERP)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA New England Coordinator, Burlington, MA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA New England Coordinator, Burlington, MA, as necessary to ensure compatibility with existing uses.
- (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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE) within 100 km from the test site; 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.
- (5) Under no circumstances is the ERP to exceed 182 Watts.
- (6) The applicant agrees to accept and implement any future modifications to their operation as directed by the FAA to include ceasing operations, or adding additional frequency restrictions so that future FAA operational requirements can be supported.
- (7) Operation is NOT permitted on the frequency band 4300 MHz due to potential interference to Federal operations.
- (8) Use of this frequency or band under the authority of this assign is subject to further coordination with the FAA New England coordinator, Burlington, Massachusetts, as necessary to ensure compatibility with existing uses.