

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

EXPERIMENTAL

(Nature of Service)

WH2XZR

(Call Sign)

XT FX

(Class of Station)

0474-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(h) of the Commission's Rules

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 (+/-)
449.3 MHz	FX	N0N	1 MW (ERP)	
820 MHz	FX	N0N	1 MW (ERP)	
898.6 MHz	FX	N0N	1 MW (ERP)	
1010 MHz	FX	N0N	10 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 42-48-40; WL 71-29-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1640 MHz	FX	N0N	1 MW (ERP)	
2302 MHz	FX	N0N	1 MW (ERP)	
2400 MHz	FX	N0N	1 MW (ERP)	
2420 MHz	FX	N0N	1 MW (ERP)	
3054 MHz	FX	N0N	1 MW (ERP)	
3100 MHz	FX	N0N	1 MW (ERP)	
3200 MHz	FX	N0N	1 MW (ERP)	
3280 MHz	FX	N0N	1 MW (ERP)	
4072 MHz	FX	N0N	1 MW (ERP)	
4100 MHz	FX	N0N	1 MW (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4470 MHz	FX	N0N	1 MW (ERP)	
4500 MHz	FX	N0N	1 MW (ERP)	
4600 MHz	FX	N0N	1 MW (ERP)	
4604 MHz	FX	N0N	1 MW (ERP)	
4800 MHz	FX	N0N	1 MW (ERP)	
4840 MHz	FX	N0N	1 MW (ERP)	
4900 MHz	FX	N0N	1 MW (ERP)	
4920 MHz	FX	N0N	1 MW (ERP)	
5260 MHz	FX	N0N	1 MW (ERP)	
5800 MHz	FX	N0N	1 MW (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5845 MHz	FX	N0N	1 MW (ERP)	
5920 MHz	FX	N0N	1 MW (ERP)	
6108 MHz	FX	N0N	1 MW (ERP)	
6200 MHz	FX	N0N	1 MW (ERP)	
6560 MHz	FX	N0N	1 MW (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.
- (3) 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: 4072 MHz, 4100 MHz, 4200 MHz, 6108 MHz, 6200 MHz, and 6560 MHz.
- (4) Operation shall immediately cease if such operation causes harmful radio interference to the other microwave users.
- (5) 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.
- (6) Operation the frequency 1010 MHz shall not exceed 10 watt (ERP).
- (7) Operation is NOT PERMITTED using the frequency 6400 MHz.

Special Conditions:

- (8) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF, FA8620-16-G-3028. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein 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.