

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WE2XIZ

(Call Sign)

0018-EX-CR-2021

(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(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 (+/-)
2-2.1818 MHz	FX	N0N	0.1 W (ERP)	
2-2.1818 MHz	FX	N0N	5 W (ERP)	
2.185-2.494 MHz	FX	N0N	0.1 W (ERP)	
2.185-2.494 MHz	FX	N0N	5 W (ERP)	

This authorization effective February 28, 2021 and
will expire 3:00 A.M. EST March 28, 2022

**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 (+/-)
2.506-2.849 MHz	FX	N0N	5 W (ERP)	
2.506-3.0228 MHz	FX	N0N	0.1 W (ERP)	
3.026-4.1248 MHz	FX	N0N	0.1 W (ERP)	
3.026-3.399 MHz	FX	N0N	5 W (ERP)	
3.51-4.1248 MHz	FX	N0N	5 W (ERP)	
4.128-4.995 MHz	FX	N0N	0.1 W (ERP)	
4.128-4.649 MHz	FX	N0N	5 W (ERP)	
4.71-4.995 MHz	FX	N0N	5 W (ERP)	
5.005-5.449 MHz	FX	N0N	5 W (ERP)	
5.006-9.994 MHz	FX	N0N	0.1 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.681-6.524 MHz	FX	N0N	5 W (ERP)	
6.686-8.814 MHz	FX	N0N	5 W (ERP)	
8.966-9.994 MHz	FX	N0N	5 W (ERP)	
10.006-14.98 MHz	FX	N0N	0.1 W (ERP)	
10.101-11.274 MHz	FX	N0N	5 W (ERP)	
11.401-13.259 MHz	FX	N0N	5 W (ERP)	
13.361-14.99 MHz	FX	N0N	5 W (ERP)	
15.02-19.98 MHz	FX	N0N	0.1 W (ERP)	
20.02-24.98 MHz	FX	N0N	0.1 W (ERP)	
25.1-60 MHz	FX	N0N	0.1 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
60-74.79 MHz	FX	N0N	0.1 W (ERP)	
75.401-107 MHz	FX	N0N	0.1 W (ERP)	
89.5 MHz	FX	N0N	0.1 W (ERP)	
89.9 MHz	FX	N0N	0.1 W (ERP)	
94.9 MHz	FX	N0N	0.1 W (ERP)	
98.7 MHz	FX	N0N	0.1 W (ERP)	
105.1 MHz	FX	N0N	0.1 W (ERP)	
112 MHz	FX	N0N	0.1 W (ERP)	
113.95 MHz	FX	N0N	0.1 W (ERP)	
116.35 MHz	FX	N0N	0.1 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
121.725 MHz	FX	N0N	0.1 W (ERP)	
130 MHz	FX	N0N	0.1 W (ERP)	
132 MHz	FX	N0N	0.1 W (ERP)	
134.1 MHz	FX	N0N	0.1 W (ERP)	
136 MHz	FX	N0N	0.1 W (ERP)	
138-150 MHz	FX	N0N	0.1 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The following distress, safety and calling frequencies can not be used plus or minus 1.5 kHz: 2183.4 kHz, 3024.4 kHz and 4126.4 kHz.
- (5) Operations on the frequencies 130 MHz and 132 MHz must be prior coordinated with ARINC.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is George Moynihan (603) 689-8630 or BAE Systems Emergency Services Center (603) 885-3842.
- (7) Operation is subject to prior coordination with FAA Eastern JFK International Airport, New York, ATTN: Frequency Management Office, phone (718) 712-8343.
- (8) Operation must NOTCH OUT +/- 25 kHz of 75 MHz.

Special Conditions:

- (9) Operation is NOT PERMITTED using the following frequency band 2.495-2.505 MHz, 4.995-5.005 MHz, 9.995-10.005 MHz, 14.99-15.01 MHz, 19.99-20.01 MHz, 24.99-25.10 MHz, and 73-74.6 MHz.