

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

EXPERIMENTAL

(Nature of Service)

WF2XAK

(Call Sign)

XT FX

(Class of Station)

0039-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(i) of the Commission's Rules

Station Locations

(1) Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
119.725 MHz	FX	N0N	0.007 W (ERP)	
124.575 MHz	FX	N0N	0.007 W (ERP)	
153.675 MHz	FX	N0N	0.007 W (ERP)	
163.375 MHz	FX	N0N	0.007 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
330.7 MHz	FX	N0N	0.007 W (ERP)	
332.975 MHz	FX	N0N	0.007 W (ERP)	
454.375 MHz	FX	N0N	0.007 W (ERP)	
471.35 MHz	FX	N0N	0.007 W (ERP)	
473.775 MHz	FX	N0N	0.007 W (ERP)	
476.2 MHz	FX	N0N	0.007 W (ERP)	
478.625 MHz	FX	N0N	0.007 W (ERP)	
481.05 MHz	FX	N0N	0.007 W (ERP)	
483.475 MHz	FX	N0N	0.007 W (ERP)	
485.9 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
488.325 MHz	FX	N0N	0.007 W (ERP)	
490.75 MHz	FX	N0N	0.007 W (ERP)	
493.175 MHz	FX	N0N	0.007 W (ERP)	
495.6 MHz	FX	N0N	0.007 W (ERP)	
498.025 MHz	FX	N0N	0.007 W (ERP)	
500.45 MHz	FX	N0N	0.007 W (ERP)	
502.875 MHz	FX	N0N	0.007 W (ERP)	
505.3 MHz	FX	N0N	0.007 W (ERP)	
507.725 MHz	FX	N0N	0.007 W (ERP)	
614.425 MHz	FX	N0N	0.007 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
616.85 MHz	FX	N0N	0.007 W (ERP)	
619.275 MHz	FX	N0N	0.007 W (ERP)	
624.125 MHz	FX	N0N	0.007 W (ERP)	
633.825 MHz	FX	N0N	0.007 W (ERP)	
636.25 MHz	FX	N0N	0.007 W (ERP)	
638.675 MHz	FX	N0N	0.007 W (ERP)	
641.1 MHz	FX	N0N	0.007 W (ERP)	
643.525 MHz	FX	N0N	0.007 W (ERP)	
645.95 MHz	FX	N0N	0.007 W (ERP)	
648.375 MHz	FX	N0N	0.007 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
650.8 MHz	FX	N0N	0.007 W (ERP)	
653.225 MHz	FX	N0N	0.007 W (ERP)	
655.65 MHz	FX	N0N	0.007 W (ERP)	
658.075 MHz	FX	N0N	0.007 W (ERP)	
660.5 MHz	FX	N0N	0.007 W (ERP)	
670.2 MHz	FX	N0N	0.007 W (ERP)	
672.625 MHz	FX	N0N	0.007 W (ERP)	
675.05 MHz	FX	N0N	0.007 W (ERP)	
677.475 MHz	FX	N0N	0.007 W (ERP)	
679.9 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
682.325 MHz	FX	N0N	0.007 W (ERP)	
684.75 MHz	FX	N0N	0.007 W (ERP)	
687.175 MHz	FX	N0N	0.007 W (ERP)	
689.6 MHz	FX	N0N	0.007 W (ERP)	
692.025 MHz	FX	N0N	0.007 W (ERP)	
694.45 MHz	FX	N0N	0.007 W (ERP)	
696.875 MHz	FX	N0N	0.007 W (ERP)	
699.3 MHz	FX	N0N	0.007 W (ERP)	
701.725 MHz	FX	N0N	0.007 W (ERP)	
704.15 MHz	FX	N0N	0.007 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
706.575 MHz	FX	N0N	0.007 W (ERP)	
709 MHz	FX	N0N	0.007 W (ERP)	
711.425 MHz	FX	N0N	0.007 W (ERP)	
713.85 MHz	FX	N0N	0.007 W (ERP)	
716.275 MHz	FX	N0N	0.007 W (ERP)	
718.7 MHz	FX	N0N	0.007 W (ERP)	
721.125 MHz	FX	N0N	0.007 W (ERP)	
723.55 MHz	FX	N0N	0.007 W (ERP)	
725.975 MHz	FX	N0N	0.007 W (ERP)	
728.4 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
730.825 MHz	FX	N0N	0.007 W (ERP)	
733.25 MHz	FX	N0N	0.007 W (ERP)	
740.525 MHz	FX	N0N	0.007 W (ERP)	
742.95 MHz	FX	N0N	0.007 W (ERP)	
745.375 MHz	FX	N0N	0.007 W (ERP)	
747.8 MHz	FX	N0N	0.007 W (ERP)	
750.225 MHz	FX	N0N	0.007 W (ERP)	
752.65 MHz	FX	N0N	0.007 W (ERP)	
755.075 MHz	FX	N0N	0.007 W (ERP)	
757.5 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
776.9 MHz	FX	N0N	0.007 W (ERP)	
779.325 MHz	FX	N0N	0.007 W (ERP)	
781.75 MHz	FX	N0N	0.007 W (ERP)	
784.175 MHz	FX	N0N	0.007 W (ERP)	
786.6 MHz	FX	N0N	0.007 W (ERP)	
806 MHz	FX	N0N	0.007 W (ERP)	
808.425 MHz	FX	N0N	0.007 W (ERP)	
929.675 MHz	FX	N0N	0.007 W (ERP)	
936.95 MHz	FX	N0N	0.007 W (ERP)	
939.375 MHz	FX	N0N	0.007 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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.
- (4) 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.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Mr. George Moynihan (603) 689-8630, Mr. David Jillson (603) 484-1024, and BAE Systems Emergency Services Center (603) 885-3842.
- (6) Operation is PERMITTED using the frequency 332.975 MHz for this experiment.
- (7) Operation is NOT PERMITTED using the following frequency bands 758-776 MHz and 788-806 MHz.
- (8) Operation is NOT PERMITTED using any frequencies in the band 225-328.8 MHz and 335.4-399.9 MHz if there is no contract with US Military.