

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WA2XFZ

(Call Sign)

0098-EX-CR-2020

(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(b) of the Commission's Rules

Station Locations

- (1) GREENLAWN (SUFFOLK), NY - NL 40-51-50; WL 73-22-31
- (2) GREENLAWN (SUFFOLK), NY - NL 40-51-48; WL 73-22-27

Frequency Information

GREENLAWN (SUFFOLK), NY - NL 40-51-50; WL 73-22-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	FX	12M0P0N	1 W (ERP)	0.002 %

GREENLAWN (SUFFOLK), NY - NL 40-51-48; WL 73-22-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	12M0P0N	500 W (ERP)	0.002 %

This authorization effective May 01, 2020 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) One or more frequency assignments were coordinated prior to authorization with FAA Headquarters, 800 Independence Avenue, S.W., Washington, DC 20591; Telephone: 202-267-8699.
- (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.
- (4) This license is for a transmitter operating with antenna type as-4349 in conjunction with the beam-forming network C-12371.
- (5) Maximum ERP for using the frequency 1030 MHz is 500 W.
- (6) License is limited to interrogation Modes 1, 2, 3A and C.
- (7) Modes 4,5, S are not authorized.
- (8) The PRR must be an average of 375 interrogations per second and the pulse repetition interval (PRI) must be between 2400 and 2930 Microseconds.
- (9) Interrogation must be manually initiated.
- (10) There must be at least 5 minutes between each initiated set of interrogations.

- (11) Multiplier is not allowed.

- (12) Whenever possible interrogations will be limited to Modes 1 and 2 only or a dummy load will be used.
- (13) All equipment used under the authority of this license will be in conformance with ICAO Aeronautical Telecommunications Annex 10.

- (14) Mode 3A Code must be set to 5117 and the altitude must be set to 90,000 ft.