

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WK2XDH

(Call Sign)

0163-EX-CN-2019

(File Number)

NAME Alliant Techsystems LLC.

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(J) of the Commission's Rules

Station Locations

- (1) Elk River (ANOKA), MN - NL 45-24-38; WL 93-28-40
- (2) MOBILE: , within 2 km, centered around NL 45-24-38; WL 93-28-40

Frequency Information

Elk River (ANOKA), MN - NL 45-24-38; WL 93-28-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11.7-11.8 GHz	FX	25M0Q1D	24.3 kW (ERP)	

MOBILE: , within 2 km, centered around NL 45-24-38; WL 93-28-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11.7-11.8 GHz	MO	25M0Q1D	0.25 W (ERP)	

This authorization effective May 17, 2019 and
will expire 3:00 A.M. EST June 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



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 Stop Buzzer POC in case interference occurs is Mark Turpin.
Phone: 7637445272 EMail: Mark.Turpin@ngc.com
- (4) Licensee shall ensure that the transmitting mobile station antenna(s) main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.