

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

EXPERIMENTAL

(Nature of Service)

WI2XJL

(Call Sign)

XT      FX MO

(Class of Station)

0366-EX-CR-2021

(File Number)

NAME General Atomics Aeronautcial Systems, 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(c, d & e) of the Commission's Rules

Station Locations

- (1) Grand Forks (GRAND FORKS), ND - NL 47-57-39; WL 97-24-03; MOBILE: Airborne:  
Max altitude 29,000 ft MSL, within 148 km

Frequency Information

Grand Forks (GRAND FORKS), ND - NL 47-57-39; WL 97-24-03; MOBILE: Airborne: Max altitude 29,000 ft MSL, within 148 k

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 5260 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5260 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5280 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5280 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |

This authorization effective July 01, 2021 and  
will expire 3:00 A.M. EST July 01, 2026

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5300 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5300 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5315 MHz  | MO            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |
| 5315 MHz  | FX            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |
| 5335 MHz  | MO            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |
| 5335 MHz  | FX            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |
| 5350 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5350 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5365 MHz  | MO            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |
| 5365 MHz  | FX            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5380 MHz  | MO            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |
| 5380 MHz  | FX            | 15M0F9W             | 631 W (ERP)      | 0.005 %                   |
| 5400 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5400 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5420 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5420 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5430 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5430 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5440 MHz  | MO            | 15M0F9N             | 501 W (ERP)      | 0.005 %                   |
| 5440 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5460 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5460 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5480 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5500 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5520 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5540 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5555 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5575 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5595 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5615 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5650 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5650 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5660 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5660 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5675 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5675 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5700 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5700 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5710 MHz  | MO            | 15M0F9W             | 20 kW (ERP)      | 0.005 %                   |
| 5710 MHz  | FX            | 15M0F9W             | 20 kW (ERP)      | 0.005 %                   |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5725 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5725 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5750 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5750 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5762 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5766 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5770 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5775 MHz  | FX            | 15M0F9N             | 501 W (ERP)      | 0.005 %                   |
| 5775 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5780 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5784 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5788 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5792 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5796 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5800 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5800 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5805 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5810 MHz  | FX            | 15M0F9W             | 20 kW (ERP)      | 0.005 %                   |
| 5810 MHz  | MO            | 15M0F9W             | 20 kW (ERP)      | 0.005 %                   |
| 5815 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5820 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5820 MHz  | FX            | 15M0F8W             | 501 W (ERP)      | 0.005 %                   |
| 5825 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5830 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5830 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5834 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5838 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5842 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5846 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5850 MHz  | MO            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |

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|-----------|---------------|---------------------|------------------|---------------------------|
| 5850 MHz  | FX            | 15M0F9W             | 501 W (ERP)      | 0.005 %                   |
| 5850 MHz  | MO            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |
| 5850 MHz  | FX            | 15M0F9W             | 126 kW (ERP)     | 0.005 %                   |

## Special Conditions:

- (1) GA-ASI will utilize frequencies identified in this license while conducting flight operations in the Grand Forks Air Force Base (RDR) Class D airspace as the primary Radio Line of Sight (RLOS) datalink for UAS Command and Control (C2).
- (2) During transmission, aircraft shall not exceed 29,000 feet MSL.
- (3) Operations of the Predator/Reaper unmanned aircraft under this license are not to be used to develop a civil version for introduction into the national airspace system.