

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

EXPERIMENTAL

(Nature of Service)

XR MO

(Class of Station)

WM2XMF

(Call Sign)

0699-EX-CN-2021

(File Number)

NAME General Atomics Aeronautical 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(a) of the Commission's Rules

Station Locations

- (1) MOBILE: W-289 and Gray Butte COA 26,000 ft MSL
- (2) MOBILE: W-289 and Gray Butte COA 26,000 ft MSL
- (3) MOBILE: W-289 and Gray Butte COA 26,000 ft MSL
- (4) MOBILE: W-289 and Gray Butte COA 26,000 ft MSL

Frequency Information

MOBILE: W-289 and Gray Butte COA 26,000 ft MSL

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 8.8 GHz   | MO            | 100MQ1N             | 155.4 kW (ERP)   | 0.001 %                   |

MOBILE: W-289 and Gray Butte COA 26,000 ft MSL

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 450 MHz   | MO            | 20M0P2D             | 6.1 mW (ERP)     |                           |

This authorization effective April 14, 2022 and  
will expire 3:00 A.M. EST April 01, 2024

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: W-289 and Gray Butte COA 26,000 ft MSL

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 9.75 GHz  | MO            | 500MQ3N             | 3.7 MW (ERP)     | 0.001 %                   |

MOBILE: W-289 and Gray Butte COA 26,000 ft MSL

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 9.7 GHz   | MO            | 1G00Q3N             | 70.6 MW (ERP)    |                           |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Operation on 9700 MHz is subject to immediate cessation if it causes harmful interference to NASA125538-39, and NASA940042, NASA980059 assignments.
- (3) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: increases maximum altitude.