

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

EXPERIMENTAL
(Nature of Service)

XD MO
(Class of Station)

WM2XJJ
(Call Sign)

0383-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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Riverside County, CA: max altitude 20,000 ft MSL, within 240 km, centered around NL 33-30-00; WL 116-30-00
- (2) MOBILE: Riverside County: max altitude 20,000 ft MSL, within 240 km, centered around NL 33-30-00; WL 116-30-00
- (3) MOBILE: Yampai, AZ: max altitude 20,000 ft MSL, within 190 km, centered around NL 35-30-00; WL 113-00-00
- (4) MOBILE: Yampai, AZ: max altitude 20,000 ft MSL, within 190 km, centered around NL 35-30-00; WL 113-00-00

Frequency Information

MOBILE: Riverside County, CA: max altitude 20,000 ft MSL, within 240 km, centered around NL 33-30-00; WL 116-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	20K0G2D	767 W (ERP)	0.001 %

This authorization effective February 28, 2022 and
will expire 3:00 A.M. EST January 01, 2024

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16.4025-16.9975 GHz	MO	295MQ3N	460 kW (ERP)	0.0005 %
16.4025-17.3 GHz	MO	295MQ3N 636MQ3N	460 kW (ERP)	0.0005 %

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Special Conditions:

- (1) MAX RADIATED POWER ALLOWED IS 767W ERP WITH A GAIN OF 5 DBI.
- (2) THIS SUPPORTS TRANSIT OF AIRCRAFT BETWEEN RIVERSIDE, CA, YAMPAI, AZ, AND GRAND FORKS, ND AS SHOWN IN THE FLIGHT PATH SUBMITTED TO FCC.

Special Conditions:

- (3) OPERATIONS MUST BE IN ACCORDANCE WITH THE OPERATING LIMITATIONS FOUND WITHIN THE CERTIFICATE OF WAIVER OR AUTHORIZATION (COA) AND FAA SPECIAL AIRWORTHINESS CERTIFICATE - EXPERIMENTAL CATEGORY (SAC EC) FOR THAT AIRCRAFT.
- (4) OPERATIONS REQUIRE A FAA FLIGHT PLAN AND MAINTAIN TWO-WAY COMMUNICATION WITH ATC.
- (5) RESTRICTIONS IN THE COA, SAC EC, AND COMMAND AND CONTROL (C2) LINKS FOR THIS PLATFORM MUST BE OBSERVED.