

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

EXPERIMENTAL

(Nature of Service)

WK2XWG

(Call Sign)

XC MO

(Class of Station)

0837-EX-CN-2019

(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(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Grey Butte, CA airfield (04CA): Max altitude 20,000 ft. MSL, within 240 km, centered around NL 33-30-00; WL 116-30-00

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	2M60G2D	400 W (ERP)	0.001 %

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) 1030 MHz operations are for demonstration purposes only using a modified TCAS and may not be used for detect and avoid purposes to satisfy 14CFR 91.113 requirements.

This authorization effective April 17, 2020 and
will expire 3:00 A.M. EST September 30, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NASA contract no. 80AFRC19M0005. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.