

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

EXPERIMENTAL

(Nature of Service)

WK2XUS

(Call Sign)

XC FX MO

(Class of Station)

0765-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): Airborne max altitude 15,000 ft AGL, within 185 km, centered around NL 34-34-12; WL 117-40-48
- (2) Gray Butte (LOS ANGELES), CA - NL 34-34-12; WL 117-40-48

Frequency Information

MOBILE: Grey Butte, CA airfield (04CA): Airborne max altitude 15,000 ft AGL, within 185 km, centered around NL 34-34-12; WL 117-40-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5045.0325 MHz	MO	120KG2D	192.752 W (ERP)	0.00001 %
5046.3225 MHz	MO	120KG2D	192.752 W (ERP)	0.00001 %
5048.2575 MHz	MO	120KG2D	192.752 W (ERP)	0.00001 %

This authorization effective March 25, 2020 and
will expire 3:00 A.M. EST April 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Gray Butte (LOS ANGELES), CA - NL 34-34-12; WL 117-40-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5045.0325 MHz	FX	120KG2D	16 W (ERP)	0.00001 %
5046.3225 MHz	FX	120KG2D	16 W (ERP)	0.00001 %
5048.2575 MHz	FX	120KG2D	16 W (ERP)	0.00001 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) 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.