

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

EXPERIMENTAL

(Nature of Service)

WL2XMY

(Call Sign)

XT FX MO

(Class of Station)

0532-EX-CN-2020

(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) Gray Butte (LOS ANGELES), CA - NL 34-34-12; WL 117-40-48
- (2) Grand Forks, ND - NL 47-56-19; WL 97-24-30
- (3) Yuma (YUMA), AZ - NL 32-51-36; WL 114-23-48
- (4) el Mirage (LOS ANGELES), CA - NL 34-37-30; WL 117-36-18
- (5) MOBILE: Gray Butte, CA: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 34-34-12; WL 117-40-48
- (6) MOBILE: Grand Forks, ND: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 47-56-19; WL 97-24-30
- (7) MOBILE: Yuma, AZ: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 32-51-36; WL 114-23-48
- (8) MOBILE: el Mirage, CA: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 34-37-30; WL 117-36-18

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 %

This authorization effective May 17, 2021 and
will expire 3:00 A.M. EST June 01, 2023

**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 (+/-)
5046.3225 MHz	FX	120KG2D	16 W (ERP)	0.00001 %
5048.2575 MHz	FX	120KG2D	16 W (ERP)	0.00001 %

Grand Forks, ND - NL 47-56-19; WL 97-24-30

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 %

Yuma (YUMA), AZ - NL 32-51-36; WL 114-23-48

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 %

Frequency Information

Yuma (YUMA), AZ - NL 32-51-36; WL 114-23-48

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

el Mirage (LOS ANGELES), CA - NL 34-37-30; WL 117-36-18

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 %

MOBILE: Gray Butte, CA: Airborne, max altitude 15,000 ft. AGL, within 45 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	16 W (ERP)	0.00001 %
5046.3225 MHz	MO	120KG2D	16 W (ERP)	0.00001 %
5048.2575 MHz	MO	120KG2D	16 W (ERP)	0.00001 %

Frequency Information

MOBILE: Grand Forks, ND: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 47-56-19; WL 97-24-30

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

MOBILE: Yuma, AZ: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 32-51-36; WL 114-23-48

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

MOBILE: el Mirage, CA: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 34-37-30; WL 117-36-18

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

Frequency Information

MOBILE: el Mirage, CA: Airborne, max altitude 15,000 ft. AGL, within 45 km, centered around NL 34-37-30; WL 117-36-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5046.3225 MHz	MO	120KG2D	16 W (ERP)	0.00001 %
5048.2575 MHz	MO	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) Coordination with the Yuma spectrum management office is mandatory at least 96 hours prior to any intended use of 5045.0325 MHz, 5046.3225 MHz or 5048.2575 MHz on YPG or within its restricted airspace by contacting the YPG SMO at 928-328-7144.