

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WQ9XJY

(Call Sign)

XT FX MO

(Class of Station)

1293-EX-ST-2020

(File Number)

NAME General Atomics Aeronautical Systems, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Purpose of operation is to fly a General Atomics unmanned aerial system (UAS) from Laguna Army Airfield (ICAO KLGF) along a route of flight previously approved by the FAA

Station Locations

- (1) Yuma (YUMA), AZ - NL 32-52-11; WL 114-23-46; MOBILE: Restricted area 2306E: max altitude 25,000 ft. MSL, within 30 km
- (2) PAC, PC - NL 32-46-10; WL 118-46-37; MOBILE: Warning Area 291: max altitude 25,000 ft. MSL, within 46 km

Frequency Information

Yuma (YUMA), AZ - NL 32-52-11; WL 114-23-46; MOBILE: Restricted area 2306E: max altitude 25,000 ft. MSL, within 30 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
136.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %

This authorization effective October 01, 2020 and
will expire 3:00 A.M. EST February 28, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Yuma (YUMA), AZ - NL 32-52-11; WL 114-23-46; MOBILE: Restricted area 2306E: max altitude 25,000 ft. MSL, within 30 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
137.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
137.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
137.875 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
144.25 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
144.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
145 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
145.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
145.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
146.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %

Frequency Information

Yuma (YUMA), AZ - NL 32-52-11; WL 114-23-46; MOBILE: Restricted area 2306E: max altitude 25,000 ft. MSL, within 30 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
146.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
146.875 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
147.25 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
151 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
151.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
152.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
152.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
152.875 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
153.25 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
153.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %

Frequency Information

Yuma (YUMA), AZ - NL 32-52-11; WL 114-23-46; MOBILE: Restricted area 2306E: max altitude 25,000 ft. MSL, within 30 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
156.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
157.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
158.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
158.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
159.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
160 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
160.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
160.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
161.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
291.25-291.55 MHz	MO	300KA1D	69.5 W (ERP)	0.001 %

Frequency Information

PAC, PC - NL 32-46-10; WL 118-46-37; MOBILE: Warning Area 291: max altitude 25,000 ft. MSL, within 46 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
136 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
136.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
136.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
137.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
137.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
137.875 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
144.25 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
144.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
145 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
145.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %

Frequency Information

PAC, PC - NL 32-46-10; WL 118-46-37; MOBILE: Warning Area 291: max altitude 25,000 ft. MSL, within 46 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
146.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
146.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
146.875 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
147.25 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
151 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
151.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
152.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
152.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
152.875 MHz	FX	224KF1D	933 mW (ERP)	0.1 %

Frequency Information

PAC, PC - NL 32-46-10; WL 118-46-37; MOBILE: Warning Area 291: max altitude 25,000 ft. MSL, within 46 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.25 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
153.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
156.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
157.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
158.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
158.5 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
159.625 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
160 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
160.375 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
160.75 MHz	FX	224KF1D	933 mW (ERP)	0.1 %

Frequency Information

PAC, PC - NL 32-46-10; WL 118-46-37; MOBILE: Warning Area 291: max altitude 25,000 ft. MSL, within 46 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
161.125 MHz	FX	224KF1D	933 mW (ERP)	0.1 %
291.25-291.55 MHz	MO	300KA1D	69.5 W (ERP)	0.001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (2) General Atomics Aeronautical Systems, Inc. must coordinate and schedule all operations within Restricted Area 2306E with the Yuma Proving Ground (YPG) Spectrum Manager (Steven Sparks) at 928.328.7144 and their YPG test officer in the Temporary Radio Frequency Assignment (TRFA) and Range Test Scheduling Service (RTSS) systems at least 72 hours prior to activation.