

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

EXPERIMENTAL

(Nature of Service)

WQ9XIQ

(Call Sign)

XT FX MO

(Class of Station)

0451-EX-ST-2020

(File Number)

NAME General Atomics

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:

Will test the prescribed equipment for interfacing and performance of the payload system.

Station Locations

- (1) MOBILE: KLGF on the ground, Yuma, AZ, within 0.25 km, centered around NL 32-51-53; WL 114-23-35
- (2) MOBILE: Calipatria, CA: max altitude 18,000 ft MSL, within 100 km, centered around NL 33-08-57; WL 115-25-45
- (3) MOBILE: GA-ASI Building A03 Roof Top,, CA San Diego, within 0.25 km, centered around NL 33-01-12; WL 117-05-46
- (4) MOBILE: 100 NM W of San Diego over Pacific Ocean: max altitude 18,000 ft MSL, within 18 km, centered around NL 32-29-00; WL 119-08-00
- (5) MOBILE: Winterhaven, CA: max altitude 18,000 ft MSL, within 100 km, centered around NL 32-56-59; WL 114-52-40
- (6) MOBILE: Borrego Springs, CA, within 100 km, centered around NL 33-12-45; WL 116-25-27
- (7) San Diego (SAN DIEGO), CA - NL 32-48-50; WL 117-08-34; MOBILE: KMYF on the ground, within 0.25 km
- (8) Palmdale (LOS ANGELES), CA - NL 34-48-00; WL 117-17-30; MOBILE: Gray Butte airfield to Helendale, CA 13,000' MSL., within 50 km, centered around NL 34-48-00; WL 117-17-30
- (9) Hagerman (GOODING), ID - NL 42-44-36; WL 114-59-00; MOBILE: Hagerman, ID by 13 KM and extending west 115 KM: max altitude 25,000 ft MSL, within 100 km, centered around NL 42-44-36; WL 114-59-00

This authorization effective March 31, 2020 and
will expire 3:00 A.M. EST September 30, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: KLGF on the ground, Yuma, AZ, within 0.25 km, centered around NL 32-51-53; WL 114-23-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	80 W (ERP)	0.0001 %

MOBILE: Calipatria, CA: max altitude 18,000 ft MSL, within 100 km, centered around NL 33-08-57; WL 115-25-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	80 W (ERP)	0.0001 %

MOBILE: GA-ASI Building A03 Roof Top,, CA San Diego, within 0.25 km, centered around NL 33-01-12; WL 117-05-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	80 W (Output Power)	0.0001 %

MOBILE: 100 NM W of San Diego over Pacific Ocean: max altitude 18,000 ft MSL, within 18 km, centered around NL 32-29-00; WL 119-08-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	160 W (ERP)	0.0001 %

Frequency Information

MOBILE: Winterhaven, CA: max altitude 18,000 ft MSL, within 100 km, centered around NL 32-56-59; WL 114-52-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	80 W (ERP)	0.0001 %

MOBILE: Borrego Springs, CA, within 100 km, centered around NL 33-12-45; WL 116-25-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	80 W (ERP)	0.0001 %

San Diego (SAN DIEGO), CA - NL 32-48-50; WL 117-08-34; MOBILE: KMYF on the ground, within 0.25 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	80 W (ERP)	0.0001 %

Palmdale (LOS ANGELES), CA - NL 34-48-00; WL 117-17-30; MOBILE: Gray Butte airfield to Helendale, CA 13,000' MSL., w

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20M0D9W	80 W (ERP)	0.0001 %

Frequency Information

Hagerman (GOODING), ID - NL 42-44-36; WL 114-59-00; MOBILE: Hagerman, ID by 13 KM and extending west 115 KM: ma

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2360-2395 MHz	MO	20MOD9W	80 W (ERP)	0.0001 %

Special Conditions:

- (1) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Nellis AFB, NV, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.
- (2) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Western Area Frequency Coordinator (WAFC) who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the WAFC as necessary to ensure compatibility with existing uses.
- (3) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator, Ft. Huachuca, AZ, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, Ft. Huachuca, as necessary to ensure compatibility with existing uses.
- (4) General Atomics must coordinate with Yuma Proving Grounds SMO at 928-328-7144 at least 14 days prior to operations within 80km of YPG.
- (5) General Atomics must coordinate with DOD Western Area Frequency Coordinator, 760-939-6832, jamie.heaton@navy.mil, 72 hours prior to operations for coordination/deconfliction and provide a current stop buzzer contact name and phone number in the event that interference is encountered.