

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

EXPERIMENTAL

(Nature of Service)

WQ9XFT

(Call Sign)

XT FX MO

(Class of Station)

0742-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:

Testing Lynx SAR & due regard air-to-air radar systems, Honeywell's TPA-100B TCAS hardware, Raytheon's SeaVue radar, Furuno's AIS radar, and a sonobuoy simulator.

Station Locations

- (1) MOBILE: Riverside County: max altitude 40,000 ft MSL, within 445 km, centered around NL 33-30-00; WL 116-30-00
- (2) MOBILE: Riverside Count: max altitude 40,000 ft MSL, within 445 km, centered around NL 33-30-00; WL 116-30-00
- (3) MOBILE: Riverside County: max altitude 40,000 ft MSL, within 445 km, centered around NL 33-30-00; WL 116-30-00
- (4) MOBILE: Riverside County: max altitude 25,000 ft MSL, within 310 km, centered around NL 34-34-12; WL 117-40-48
- (5) MOBILE: Riverside County: max altitude 40,000 ft MSL, within 280 km, centered around NL 33-30-00; WL 116-30-00
- (6) Palmdale (RIVERSIDE), CA - NL 34-34-12; WL 117-40-48; MOBILE: W-289 warning area, on ocean surface., within 310 km, centered around NL 34-34-12; WL 117-40-48

This authorization effective August 17, 2020 and
will expire 3:00 A.M. EST December 29, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Riverside County: max altitude 40,000 ft MSL, within 445 km, centered around NL 33-30-00; WL 116-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	20K0G2D	767 W (ERP)	0.001 %

MOBILE: Riverside Count: max altitude 40,000 ft MSL, within 445 km, centered around NL 33-30-00; WL 116-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.4025-16.9975 GHz	MO	295MQ3N	460 kW (ERP)	0.0005 %
16.4025-17.3 GHz	MO	295MQ3N 636MQ3N	460 kW (ERP)	0.0005 %

MOBILE: Riverside County: max altitude 40,000 ft MSL, within 445 km, centered around NL 33-30-00; WL 116-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.75-8.85 MHz	MO	31M8Q1N	404 kW (ERP)	0.005 %

MOBILE: Riverside County: max altitude 25,000 ft MSL, within 310 km, centered around NL 34-34-12; WL 117-40-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9600 MHz	MO	560KP0N 2M10P0N 2M70Q0N 3M00P0N 8M00P0N	121.374 MW (ERP)	

Frequency Information

MOBILE: Riverside County: max altitude 25,000 ft MSL, within 310 km, centered around NL 34-34-12; WL 117-40-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9600 MHz	MO	18M4Q1N 80M0Q3N 206MQ3N	121.374 MW (ERP)	

MOBILE: Riverside County: max altitude 40,000 ft MSL, within 280 km, centered around NL 33-30-00; WL 116-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
291.25-291.55 MHz	MO	300KA1D	69.5 W (ERP)	0.001 %

Palmdale (RIVERSIDE), CA - NL 34-34-12; WL 117-40-48; MOBILE: W-289 warning area, on ocean surface., within 310 km, i

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9380-9440 MHz	MO	60M0P0N	2.5 kW (ERP)	0.003 %

Special Conditions:

- (1) Prior to use scheduling needs to be conducted through DoD Western Area Frequency Coordinator (WAFC) (jamie.heaton@navy.mil and andrew.foltz@navy.mil).
- (2) The proponent's aircraft platform is limited to aircraft tail number "N190TC" only with operations in accordance with the FAA issued Experimental Certificate and FAA issued COA's, specifically 2019-SAC-COA-2 Rev 3 or equivalent updates.