

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

EXPERIMENTAL

(Nature of Service)

WQ9XTU

(Call Sign)

XT MO

(Class of Station)

1283-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 experimental sensors placed on General Atomics Predator series UAS.

Station Locations

- (1) MOBILE: Yuma, AZ:Max altitude 13,000 ft. AGL, within 45 km, centered around NL 33-10-00; WL 114-05-00

Frequency Information

MOBILE: Yuma, AZ:Max altitude 13,000 ft. AGL, within 45 km, centered around NL 33-10-00; WL 114-05-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1395-1400 MHz	MO	5M00G1D	85 W (ERP)	0.000225 %
1427-1432 MHz	MO	5M00G1D	85 W (ERP)	0.000225 %
1435-1509.833 MHz	MO	14M6G1D	85 W (ERP)	0.000225 %

This authorization effective October 14, 2020 and
will expire 3:00 A.M. EST April 14, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



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, 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.
- (2) General Atomics Aeronautical Systems, Inc. must notch out the following for airborne operations:
 - a. 1395-1400 MHz band
 - b. 1427-1432 MHz band
- (3) Unwanted emission power from operation in the 1427-1452 MHz frequency band shall be limited to -28 dBW in the 1400-1427 MHz frequency band for aeronautical telemetry stations, in accordance with ITU Resolution 750 (WRC-19).
- (4) General Atomics Aeronautical Systems, Inc. avoid out-of-band emissions into the 1400-1427 MHz band.
- (5) General Atomics Aeronautical Systems must coordinate all UAS flights in Yuma Proving Ground (YPG) Restricted Airspace with the YPG Spectrum Management Office at least 96 hours in advance via phone at 928.328.7144.