

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

EXPERIMENTAL

(Nature of Service)

XR FX MO

(Class of Station)

WC2XLR

(Call Sign)

0229-EX-ST-2005

(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:

Demonstration of unmanned air vehicle (UAV) to NASA and NOAA.

Station Locations

- (1) Adelanto (SAN BERNARDINO), CA - NL 34-37-00; WL 117-36-00; MOBILE: Adelanto (SAN BERNARDINO), CA, within 324 km

Frequency Information

Adelanto (SAN BERNARDINO), CA - NL 34-37-00; WL 117-36-00; MOBILE: Adelanto (SAN BERNARDINO), CA, within 324

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
32.5 MHz	FX	18K2F3E	1 W (ERP)	0.005 %
32.5 MHz	MO	18K2F3E	1 W (ERP)	0.005 %
34.5 MHz	MO	18K2F3E	1 W (ERP)	0.005 %

This authorization effective June 16, 2005 and
will expire 3:00 A.M. EST December 16, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34.5 MHz	FX	18K2F3E	1 W (ERP)	0.005 %
36.5 MHz	MO	18K2F3E	1 W (ERP)	0.005 %
36.5 MHz	FX	18K2F3E	1 W (ERP)	0.005 %
41 MHz	MO	18K2F3E	500 mW (ERP)	0.005 %
41 MHz	FX	18K2F3E	500 mW (ERP)	0.005 %
74.7 MHz	FX	18K2F3E	2 W (ERP)	0.005 %
74.7 MHz	MO	18K2F3E	2 W (ERP)	0.005 %
118-137 MHz	FX	6K00A3E	7 W (ERP)	0.005 %
118-137 MHz	MO	6K00A3E	7 W (ERP)	0.005 %
5260 MHz	MO	20M0F9W	501 W (ERP)	0.005 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5260 MHz	FX	20M0F9W	501 W (ERP)	0.005 %
5280 MHz	FX	20M0F9W	126 kW (ERP)	0.005 %
5280 MHz	MO	20M0F9W	126 kW (ERP)	0.005 %
5300 MHz	FX	20M0F9W	501 W (ERP)	0.005 %
5300 MHz	MO	20M0F9W	501 W (ERP)	0.005 %
5315 MHz	FX	20M0F9W	631 W (ERP)	0.005 %
5315 MHz	MO	20M0F9W	631 W (ERP)	0.005 %
5335 MHz	FX	20M0F9W	631 W (ERP)	0.005 %
5335 MHz	MO	20M0F9W	631 W (ERP)	0.005 %
5350 MHz	FX	20M0F9W	501 W (ERP)	0.005 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5350 MHz	MO	20M0F9W	501 W (ERP)	0.005 %
5365 MHz	FX	20M0F9W	631 W (ERP)	0.005 %
5365 MHz	MO	20M0F9W	631 W (ERP)	0.005 %
5380 MHz	FX	20M0F9W	631 W (ERP)	0.005 %
5380 MHz	MO	20M0F9W	631 W (ERP)	0.005 %
5400 MHz	MO	20M0F9W	501 W (ERP)	0.005 %
5400 MHz	FX	20M0F9W	501 W (ERP)	0.005 %
5420 MHz	FX	20M0F9W	126 kW (ERP)	0.005 %
5420 MHz	MO	20M0F9W	126 kW (ERP)	0.005 %
5430 MHz	FX	1M00F9W	126 kW (ERP)	0.005 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5430 MHz	MO	1M00F9W	126 kW (ERP)	0.005 %
5440 MHz	MO	20M0F9W	501 W (ERP)	0.005 %
5440 MHz	FX	20M0F9W	501 W (ERP)	0.005 %
5460 MHz	FX	1M00F9W	501 W (ERP)	0.005 %
5460 MHz	MO	1M00F9W	501 W (ERP)	0.005 %
5650 MHz	FX	1M00F9W	126 kW (ERP)	0.005 %
5650 MHz	MO	1M00F9W	126 kW (ERP)	0.005 %
5660 MHz	MO	1M00F9W	126 kW (ERP)	0.005 %
5660 MHz	FX	1M00F9W	126 kW (ERP)	0.005 %
5675 MHz	FX	1M00F9W	501 W (ERP)	0.005 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5675 MHz	MO	1M00F9W	501 W (ERP)	0.005 %
5700 MHz	FX	1M00F9W	126 kW (ERP)	0.005 %
5700 MHz	MO	1M00F9W	126 kW (ERP)	0.005 %
5710 MHz	FX	1M00F9W	20 kW (ERP)	0.005 %
5710 MHz	MO	1M00F9W	20 kW (ERP)	0.005 %
5725 MHz	FX	1M00F9W	501 W (ERP)	0.005 %
5725 MHz	MO	1M00F9W	501 W (ERP)	0.005 %
5750 MHz	FX	1M00F9W	126 kW (ERP)	0.005 %
5750 MHz	MO	1M00F9W	126 kW (ERP)	0.005 %
5775 MHz	FX	1M00F9W	501 W (ERP)	0.005 %

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5775 MHz	MO	1M00F9W	501 W (ERP)	0.005 %
5800 MHz	FX	1M00F9W	126 kW (ERP)	0.005 %
5800 MHz	MO	1M00F9W	126 kW (ERP)	0.005 %
5810 MHz	FX	1M00F9W	20 kW (ERP)	0.005 %
5810 MHz	MO	1M00F9W	20 kW (ERP)	0.005 %
5820 MHz	FX	1M00F9W	501 W (ERP)	0.005 %
5820 MHz	MO	1M00F9W	501 W (ERP)	0.005 %
5830 MHz	FX	1M00F9W	501 W (ERP)	0.005 %
5830 MHz	MO	1M00F9W	501 W (ERP)	0.005 %
5850 MHz	FX	20M0F9W	501 W (ERP)	0.005 %

Frequency Information

Adelanto (SAN BERNARDINO), CA - NL 34-37-00; WL 117-36-00; MOBILE: Adelanto (SAN BERNARDINO), CA, within 324

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5850 MHz	MO	20M0F9W	501 W (ERP)	0.005 %
5850 MHz	MO	1M00F9W	126 kW (ERP)	0.005 %
5850 MHz	FX	1M00F9W	126 kW (ERP)	0.005 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Operation in the band 118-137 MHz shall be only channels designated by the control tower in the area.
- (3) The extended radius of operations from 160 km to 324 km is in the direction from Adelanto, CA towards the Channel Islands only.