

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WC2XLW

(Call Sign)

XC FX MO

(Class of Station)

0293-EX-RR-2011

(File Number)

NAME General Atomics Aeronautical Systems, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b & c) of the Commission's Rules

Station Locations

- (1) Swansboro (CARTERET), NC - NL 34-41-26; WL 77-01-47; MOBILE: Swansboro, NC, within 185 km, centered around NL 34-41-26; WL 77-01-47

Frequency Information

Swansboro (CARTERET), NC - NL 34-41-26; WL 77-01-47; MOBILE: Swansboro, NC, within 185 km, centered around NL 34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5300-5400 MHz	MO	20M0F9W	501 W (ERP)	
5300-5400 MHz	FX	20M0F9W	501 W (ERP)	
5525-5600 MHz	FX	1M00F9W	126 kW (ERP)	
5525-5600 MHz	MO	1M00F9W	126 kW (ERP)	

This authorization effective September 01, 2011 and
will expire 3:00 A.M. EST September 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Swansboro (CARTERET), NC - NL 34-41-26; WL 77-01-47; MOBILE: Swansboro, NC, within 185 km, centered around NL 34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5650-5850 MHz	FX	1M00F9W	126 kW (ERP)	
5650-5850 MHz	MO	1M00F9W	126 kW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The authorization is issued for the express purpose of conducting experimental operations described in the related application and required by CIRPAS/Caltech contract number 1024495. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (4) Operations under the authority of the assignment 5525 - 5600 MHz are subject to immediate adjustment, including cessation, if they result in harmful interference to Navy operations in VA, MD and NC.