

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

EXPERIMENTAL

(Nature of Service)

WD9XYR

(Call Sign)

XT MO

(Class of Station)

0313-EX-ST-2009

(File Number)

NAME BAE Systems Unmanned Aircraft Programs 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:

Development verification and production acceptance of radio link equipment used in the unmanned aircraft systems employed in direct support of military branches for C4ISR.

Station Locations

- (1) MOBILE: Temporary Fixed Locations (Ground), BAE Systems Campus, Tucson, AZ, within 0.5 km, centered around NL 32-08-13; WL 110-55-20

Frequency Information

MOBILE: Temporary Fixed Locations (Ground), BAE Systems Campus, Tucson, AZ, within 0.5 km, centered around NL 32-08-13; WL 110-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
310-328.6 MHz	MO	280KF1D	1 W (ERP)	
335.4-390 MHz	MO	75K0F1D	1 W (ERP)	
902-928 MHz	MO	350KF1D	1 W (ERP)	

This authorization effective August 15, 2009 and
will expire 3:00 A.M. EST February 16, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations (Ground), BAE Systems Campus, Tucson, AZ, within 0.5 km, centered around NL 32-08-13; WL 110-55-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	16M5F8W 2M40W7D	2.4 W (ERP)	
2360-2400 MHz	MO	16M5F8W 2M40W7D	6 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to its authorization with the Area Frequency Coordinator (AFC), 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 AFC, as necessary to ensure compatibility with existing uses.
- (4) Operations must cease if they result in harmful interference to NASA balloon operations in the 2360 - 2400 MHz band.
- (5) Operations must NOTCH OUT the following frequencies (+/- 12.5 kHz): M316.150, M317.750, M318.100, M322.425, M326.200, M327.150, M339.800, M341.700, M346.250, M348.600, M350.200, M353.575, M353.800, M353.900, M363.000, M371.900, M379.225, M385.400.
- (6) Operation is subject to prior coordination with the Installation Spectrum Manager (ISM) at Davis Monthan Air Force Base for any tests conducted in the following frequency ranges, M310-328.6, M335.4-390 and M1755-1850. Telephone numbers to use (520) 228-4083/6844 or via email using eric.melville@dm.af.mil or duane.vandross@dm.af.mil .
- (7) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US Military contract number: N68335-08-C-0474, W15P7T-09-C-S007 and FA8650-09-C-7939. 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.

Special Conditions:

- (8) The designated point-of-contact to terminate transmissions if interference occurs is Christopher Troudt at 520-240-2974.