

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WG9XWM

(Call Sign)

0709-EX-ST-2013

(File Number)

NAME Applied Research Associates, 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:

Test flights and demonstrations of the NightHawk Micro UAV.

Station Locations

- (1) Randolph (ORANGE), VT - NL 43-54-48; WL 72-39-28; MOBILE: , within 4.5 km
- (2) Randolph (ORANGE), VT - NL 43-54-48; WL 72-39-28; MOBILE: , within 4.5 km

Frequency Information

Randolph (ORANGE), VT - NL 43-54-48; WL 72-39-28; MOBILE: , within 4.5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
310-390 MHz	MO	280KF1D	1.531 W (ERP)	0.00025 %
2.2997-2.3133 GHz	MO	11M1D1D 5M70D1D	16 W (ERP)	0.0002 %
2.3497-2.3632 GHz	MO	5M70D1D	16 W (ERP)	0.0002 %

This authorization effective August 01, 2013 and
will expire 3:00 A.M. EST February 02, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Randolph (ORANGE), VT - NL 43-54-48; WL 72-39-28; MOBILE: , within 4.5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.3497-2.3632 GHz	MO	11M1D1D	16 W (ERP)	0.0002 %

Randolph (ORANGE), VT - NL 43-54-48; WL 72-39-28; MOBILE: , within 4.5 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
310-390 MHz	MO	280KF1D	1.531 W (ERP)	0.00025 %
1755-1850 MHz		18M5F9W	3.062 W (ERP)	0.002 %
2.2997-2.3133 GHz	MO	5M70D1D 11M1D1D	1.531 W (ERP)	0.0002 %
2.3497-2.3632 GHz	MO	5M70D1D 11M1D1D	1.531 W (ERP)	0.0002 %

Special Conditions:

- (1) Operation in 1710-1755 MHz is denied and licensee should note that the 1755-1850 MHz band is being reviewed for transfer to the FCC.
- (2) Licensee must notch out the ILS band 328.6 thru 335.4 MHz
- (3) Licensee must notch out the following frequencies:
348.6 MHz +/- 10 kHz
353.8 MHz +/- 10 kHz
360.8 MHz +/- 10 kHz