

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

EXPERIMENTAL

(Nature of Service)

WF9XUN

(Call Sign)

XD FX MO

(Class of Station)

0409-EX-ST-2012

(File Number)

NAME Lockheed Martin Corporation

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:

For development flights of the Desert Hawk vehicle.

Station Locations

- (1) Philadelphia (JEFFERSON), NY - NL 44-08-51; WL 75-38-51; MOBILE: Philadelphia (JEFFERSON), NY, within 16 km, centered around NL 44-08-51; WL 75-38-51

Frequency Information

Philadelphia (JEFFERSON), NY - NL 44-08-51; WL 75-38-51; MOBILE: Philadelphia (JEFFERSON), NY, within 16 km, centered around NL 44-08-51; WL 75-38-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
392.67 MHz	FX	250KF1D	1 W (ERP)	
394.39 MHz	FX	250KF1D	1 W (ERP)	
408.24 MHz	FX	250KF1D	1 W (ERP)	

This authorization effective July 09, 2012 and
will expire 3:00 A.M. EST November 05, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Philadelphia (JEFFERSON), NY - NL 44-08-51; WL 75-38-51; MOBILE: Philadelphia (JEFFERSON), NY, within 16 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
413.94 MHz	FX	250KF1D	1 W (ERP)	
1801 MHz	MO	18M0F8W	2 W (ERP)	
1841 MHz	MO	18M0F8W	2 W (ERP)	
2275 MHz	MO	18M0F8W	2 W (ERP)	

Special Conditions:

- (1) 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.
- (2) Use of the frequencies M392.67 and M394.39 is allowed for this testing but will never be approved for operational use of this system. The band 380-399.9 MHz is a narrow band land mobile DOD band which cannot support wide band operations.
- (3) Use of the frequencies M408.24 and M413.94 is allowed for this testing but will never be approved for operational use of this system. The band 406-420 MHz is a narrow band land mobile federal band which cannot support wide band operations.
- (4) The applicant and DOD PM need to be aware that the band 1755-1850 MHz is under serious consideration for transfer and auction in many parts of the US by the FCC and this system may not be able to operate if this happens in the next 10 years.
- (5) Army concurs with subject request on a NIB basis with the stipulation that Lockheed-Martin will contact Ft. Drum Installation Spectrum Manager@315-772-2433 or alternate@315-772-5528, prior to all operations of the DESERT HAWK UAS and provide dates, times of operations and a STOP BUZZER POC.