

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WE9XKC

(Call Sign)

0194-EX-ST-2010

(File Number)

NAME L-3 Unmanned Systems

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:

Flight Operations to test a new payload developed by Controlled Dynamics, Inc for DoD customer.

Station Locations

- (1) Wallops Island, VA - NL 37-49-34; WL 75-21-46
- (2) Wallops Island, VA - NL 37-49-34; WL 75-21-46
- (3) MOBILE: No more than 5 nm from Wallops Island UAS Range at a maximum altitude of 6,000 ft MSL and within the boundaries of R-6604A and R-6604B., within 9.26 km, centered around NL 37-35-06; WL 75-15-00
- (4) Wallops Island, VA - NL 37-49-34; WL 75-21-46

Frequency Information

Wallops Island, VA - NL 37-49-34; WL 75-21-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	350KF1D	1 W (ERP)	

This authorization effective June 01, 2010 and
will expire 3:00 A.M. EST December 02, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Wallops Island, VA - NL 37-49-34; WL 75-21-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1386-1387 MHz	FX	230KF1D	5 W (ERP)	

MOBILE: No more than 5 nm from Wallops Island UAS Range at a maximum altitude of 6,000 ft MSL and within the boundaries of R-6604A and R-6604B., within 9.26 km, centered around NL 37-35-06; WL 75-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	350KF1D	1 W (ERP)	
1386-1387 MHz	MO	230KF1D	1 W (ERP)	
1750-1840 MHz	MO	18M0F8W	10 W (ERP)	

Wallops Island, VA - NL 37-49-34; WL 75-21-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	350KF1D	1 W (ERP)	
1370-1380 MHz	FX	230KF1D	5 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.

Special Conditions:

- (3) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (4) A) NTIA wants to go on records stating that for the three locations the band 902-928 MHz is a radiolocation band with numerous other services used by the FCC and NTIA and is not a good band for command and control of a UAV's.

B) For the Wallops Island, VA only the band M1386-M1387 can be used however future use of this band throughout the US will be difficult getting assignments on a permanent basis.

C) For the Wallops Island, VA use of the band M1755-M1850 the user must coordinate prior to operations with Mid Atlantic Area Frequency Coordinator, Mike Ryan, 301-342-1194 or 1532 for times of use and frequency to be used due to numerous federal operations in the area. The bandwidth for this system is large and will be difficult to get permanent assignments.

E) User should advise the DoD user to submit this system to the MCEB and SPS if they plan to purchase.

F) Please note Justice has operations throughout the USP on 1700-1840 MHz for law enforcement activities. NTIA has no objections to the frequency band requested as long as the applicant's operations are on a non-interference basis to Justice operations and will shut down if any interference is received.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number W911W6-08-C-0054 , Task Order 0016. 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.
- (6) Licensee should be aware that the data communication emissions must not extend below 1370 MHz.