

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WD9XOM

(Call Sign)

0470-EX-ST-2008

(File Number)

NAME L-3 BAI Aerosystems

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:

To test and flight operations with the Viking 100 Unmanned Aircraft Systems (UAS).

Station Locations

- (1) Ridgely (CAROLINE), MD - NL 38-58-16; WL 75-52-16
- (2) MOBILE: Within 1 NM of Ridgely Airpark, Ridgely, MD, within 2 km, centered around NL 38-58-34; WL 75-52-01
- (3) Ridgely (CAROLINE), MD - NL 38-58-16; WL 75-52-16

Frequency Information

Ridgely (CAROLINE), MD - NL 38-58-16; WL 75-52-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	350KF1D	1 W (ERP)	
1370-1390 MHz	FX	230KF1D	5 W (ERP)	

This authorization effective October 21, 2008 and
will expire 3:00 A.M. EST April 02, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Within 1 NM of Ridgley Airpark, Ridgely, MD, within 2 km, centered around NL 38-58-34; WL 75-52-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	350KF1D	1 W (ERP)	
1370-1390 MHz	MO	230KF1D	1 W (ERP)	
1780 MHz	MO	18M8F8W	10 W (ERP)	

Ridgely (CAROLINE), MD - NL 38-58-16; WL 75-52-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	FX	350KF1D	1 W (ERP)	
1370-1390 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) NTIA can only allow the use of the band 1370-1390 MHz. Use of the band 1350-1370 MHz is not allowed due to possible interference to federal operations.
- (3) NTIA can only allow the use of the one center frequency of 1780 MHz with a +/- 10 MHz bandwidth. No other part of the 1755-1850 MHz band can be used.
- (4) The point of contact will be the Flight Operations Officer, Steve Lister. He can be reached during testing at 410-714-3468. The point of contact must be present at all testing in order to shutdown the testing if interference is caused to federal operations
- (5) L-3 BAI Aerosystems must coordinate with Mid Atlantic Area Frequency Coordinator, Mr. Ryan/ Mr. Goddard at 301-342-1194 prior to starting testing/operations.

Special Conditions:

- (6) The 1350-1390 MHz and 1755-1850 MHz are federal radio frequency bands and use of these bands is for federal agencies only. L-3 BAI Aerosystems will not be able to sell this equipment using these frequencies to any civilian or state agency. If L-3 BAI Aerosystems extends to sell the Viking 100 UAS to civilian or state agencies then testing in FCC exclusive bands or share NTIA/FAA bands needs to be done.
- (7) This license SUPERSEDES the previously issued license with the same call sign and file number: additional frequencies and NTIA conditions.