

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

EXPERIMENTAL

(Nature of Service)

XR FX MO

(Class of Station)

WH9XAB

(Call Sign)

0838-EX-ST-2013

(File Number)

NAME UMBC Physics Dept. - LACO

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 Cubesats.

Station Locations

- (1) MOBILE: NONGEOSTATIONARY, Polar orbit (97.79deg), 640km x 600km
- (2) Baltimore (BALTIMORE), MD - NL 39-15-15; WL 76-42-34

Frequency Information

MOBILE: NONGEOSTATIONARY, Polar orbit (97.79deg), 640km x 600km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
437.525 MHz	MO	50K0F2D	0.46 W (ERP)	

This authorization effective November 21, 2013 and
will expire 3:00 A.M. EST May 22, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Baltimore (BALTIMORE), MD - NL 39-15-15; WL 76-42-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
437.525 MHz	FX	50K0F2D	3.7 kW (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) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.
- (3) POINT OF COMMUNICATION: QubScout-S1
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) UMBC Physics Department must provide the transmission schedule, stop buzzer point-of-contact (POC) and orbital updates to AFSPC.A6CE.SMO@us.af.mil. Also include the following email address when providing the requested information; William.Whittington@pentagon.af.mil.