

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WE9XNM

(Call Sign)

0283-EX-ST-2010

(File Number)

NAME Morehead State University

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:

The Morehead ground station will be outfitted with hardware to uplink a pulsed CW tone (duty cycle 80%) and receive Mini-RF transmissions.

Station Locations

(1) Morehead (ROWAN), KY - NL 38-11-30; WL 83-26-20

Frequency Information

Morehead (ROWAN), KY - NL 38-11-30; WL 83-26-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2370-2390 MHz	FX	500KG2D 20K0L0N	23 MW (ERP)	
2417.2-2431.2 MHz	FX	350KF1D	168 kW (ERP)	
7130-7150 MHz	FX	500KG2D	100 MW (ERP)	

This authorization effective September 13, 2010 and
will expire 3:00 A.M. EST January 01, 2011

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7130-7150 MHz	FX	20K0L0N	100 MW (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by The National Aeronautics and Space Administration; contract number NNN06AA01C. 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.
- (4) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC, as necessary to ensure compatibility with the existing uses.