

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

EXPERIMENTAL

(Nature of Service)

WF9XMV

(Call Sign)

XR MO

(Class of Station)

0520-EX-ST-2012

(File Number)

NAME Center For Remote Sensing Of Ice Sheets

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:

Research to measuring ice sheets

Station Locations

- (1) MOBILE: Operation will be over the Atlantic Ocean within an area defined by these coordinates: 75.1184W,38.7515N; 74.3333W,38.7500N; 73.0083W,37.9500N; 72.6667W,37.2275N; 75.5000W,36.9999N; 75.8725W,37.1433N
- (2) MOBILE: A polygon over the Arctic Ocean defined by coordinates: 168.9521W,65.5030N; 168.1096W,65.6634N; 163.7716W,66.5399N; 163.7092W,67.1329N; 165.6510W,68.6705N; 156.5949W,70.7975N; 140.9336W,69.6637N; 137.5808W,72.9493N; 156.8034W,74.7080N; 168.9127W,72.7815N

Frequency Information

MOBILE: Operation will be over the Atlantic Ocean within an area defined by these coordinates: 75.1184W,38.7515N; 74.3333W,38.7500N; 73.0083W,37.9500N; 72.6667W,37.2275N; 75.5000W,36.9999N; 75.8725W,37.1433N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
600-900 MHz	MO	300MM3X	39.8 W (ERP)	0.03 %

This authorization effective December 14, 2012 and
will expire 3:00 A.M. EST May 14, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-8 GHz	MO	6G00F3X	1 W (ERP)	0.005 %
12-18 GHz	MO	6G00F3X	2.51 W (ERP)	0.00166667 %

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Special Conditions:

- (1) CReSIS must restrict operations to W-386 Warning Area that does not intersect with the antenna coverage area defined as 156 to 250 degrees True North from the point 37 degrees 56' 43.98"N 75 degrees 27' 20.75"W.
- (2) 2700-2900 MHz must be notched for both locations, with at least 150 Nautical mile separation distance from Norfolk, VA .
- (3) Future operations outside of these areas will require further notching of other frequency bands used by FAA.
- (4) This radio system shall not be used for functional development beyond the scope of this Ice Sheet testing.
- (5) User must coordinate and schedule testing with DOD AFC Mid-Atlantic Office (301) 342-1532 or (301) 342-1914