

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

EXPERIMENTAL

(Nature of Service)

XR MO

(Class of Station)

WG9XSJ

(Call Sign)

0187-EX-ST-2013

(File Number)

NAME Fugro Earthdata, Inc.

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 for determining the thickness of multiyear arctic ice associated with offshore ice flows using GeoSAR Interferometric Synthetic Aperture Radar (IFSAR) .

Station Locations

(1) MOBILE: Barrow, Alaska, within 350 km, centered around NL 71-29-59; WL 157-25-20

Frequency Information

MOBILE: Barrow, Alaska, within 350 km, centered around NL 71-29-59; WL 157-25-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
270-328 MHz	MO	58M0Q3N	20 kW (ERP)	
336-406 MHz	MO	70M0Q3N	20 kW (ERP)	
406.1-430 MHz	MO	23M9Q3N	20 kW (ERP)	

This authorization effective March 31, 2013 and
will expire 3:00 A.M. EST October 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Barrow, Alaska, within 350 km, centered around NL 71-29-59; WL 157-25-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.63-9.79 GHz	MO	160MQ3N	2 MW (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.
- (3) Operation must NOTCH OUT the following frequency bands: 406 MHz - 406.1 MHz.
- (4) Licensee must limit the flight level to no more than 29,000 feet.
- (5) The designated point-of-contact to terminate the systems if interference occurs is Joe Jones at 301-948-8550.
- (6) Licensee must notch out the following frequencies: 281.5000 MHz, 352.0000 MHz, 370.9000 MHz, 408.8250 MHz, 409.8000 MHz, 410.3000 MHz, 412.5375 MHz, 412.9375 MHz, 412.9875 MHz, 413.0125 MHz, 413.1125 MHz, 413.5875 MHz, 413.6125 MHz, and 419.0250 MHz.
- (7) Licensee must coordinate prior to each flight with local FAA (Byron Ipock, Byron.ipock@faa.gov, 907-271-5962, and provide the flight path of the GeoSAR aircraft, the specific areas where the GeoSAR will be turned on/off, and specific dates and times of operation.
- (8) Licensee needs to be aware that use of this radar in populated areas will be extremely difficult to impossible due to extensive notching of federal frequencies being operated.