

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

EXPERIMENTAL

(Nature of Service)

WH9XUL

(Call Sign)

XR MO

(Class of Station)

0600-EX-ST-2014

(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:

A USGS contract for collecting a portion Alaska for a statewide DEM using GeoSAR Interferometric Synthetic Aperture Radar (IFSAR).

Station Locations

(1) MOBILE: Aircraft, AK, within 400 km, centered around NL 60-06-33; WL 149-57-45

Frequency Information

MOBILE: Aircraft, AK, within 400 km, centered around NL 60-06-33; WL 149-57-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
270-328 MHz	MO	58M0Q3N	20 kW (ERP)	0.01 %
336-406 MHz	MO	70M0Q3N	20 kW (ERP)	0.01 %
406.1-430 MHz	MO	23M9Q3N	20 kW (ERP)	0.01 %

This authorization effective August 26, 2014 and
will expire 3:00 A.M. EST December 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Aircraft, AK, within 400 km, centered around NL 60-06-33; WL 149-57-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.63-9.79 GHz	MO	0G16Q3N	2 kW (ERP)	0.01 %

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) Operation is subject to prior coordination the use of the 270-430 MHz band with Military Association Group Chairman: Mr. Randy Whittington at 301-225-3744.
- (4) Fugro Earthdata, Inc. must notch out the following:
 - In the 270 - 328 MHz band +/- 12 kHz:
 1. 270.3000 MHz
 2. 273.4500 MHz
 3. 273.5000 MHz
 4. 273.5500 MHz
 5. 275.8000 MHz
 6. 279.5500 MHz
 7. 279.6000 MHz
 8. 281.4000 MHz
 9. 285.5500 MHz
 10. 290.5000 MHz
 11. 306.2000 MHz
 12. 306.9250 MHz
 13. 316.1000 MHz
 14. 322.3500 MHz
 15. 326.1500 MHz
 16. 327.1000 MHz

Special Conditions:

- (5) Fugro Earthdata, Inc. must notch out the following:
- In the 336 - 406 MHz band +/- 12 kHz:
 - 1. 338.2250 MHz
 - 2. 343.6500 MHz
 - 3. 345.0000 MHz
 - 4. 351.8000 MHz
 - 5. 352.0500 MHz
 - 6. 354.0000 MHz
 - 7. 363.2000 MHz
 - 8. 379.1000 MHz
 - 9. 379.9000 MHz
- (6) Fugro Earthdata, Inc. must notch out the following:
- a. In the 406.1 - 420 MHz band +/- 12 kHz:
406.125, 406.175, 406.281256, 406.3875, 406.475, 406.5375, 407.125, 407.3125, 407.5125, 407.725, 407.9375, 408.075, 408.200, 408.475, 408.500, 408.575, 408.875, 408.9125, 408.9812, 409.000, 409.1975, 409.3875, 409.5750, 410.0250, 410.075, 410.125, 410.250, 410.300, 410.600, 410.7875, 410.825, 410.950, 411.625, 411.725, 411.825, 411.875, 412.025, 412.2375, 412.625, 412.9375, 412.950, 412.975, 412.9875, 413.000, 413.025, 413.0625, 413.1125, 413.200, 413.250, 413.300, 413.375, 413.6125, 413.825, 413.8625, 413.950, 414.5375, 414.6625, 414.725, 415.100, 415.3875, 415.475, 415.5375, 415.600, 416.125, 416.200, 416.3125, 416.325, 416.5125, 416.725, 416.875, 416.9375, 417.200, 417.2625, 417.400, 417.475, 417.500, 417.575, 417.625, 417.825, 417.9125, 418.100, 418.1875, 418.3875, 418.750, 418.900, 418.950, 419.0250, 419.300, 419.600, 419.7875, 419.825 and 419.99375.
 - b. In the 420-430 MHz band +/- 100 kHz:
 - 421.000 MHz
 - 425.000 MHz
 - 428.000 MHz
 - 429.500 MHz
 - c. In the 420-430 MHz band +/- 3.5 MHz:
 - 425.750 MHz
 - 428.750 MHz
- (7) Fugro Earthdata, Inc. must notch out the Glide Slope band:
328 - 335 MHz
- (8) Fugro Earthdata, Inc. must notch out all Annex A channels between 225 - 399 MHz