

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

EXPERIMENTAL

(Nature of Service)

WG9XJR

(Call Sign)

XR MO

(Class of Station)

0325-EX-ST-2016

(File Number)

NAME University of Washington

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 in atmospheric structure and radio communications using a transmitter as a sounder to make atmospheric temperature profiles and as a beacon to recover the transmitter.

**Station Locations**

- (1) MOBILE: Free-flying balloons from Seattle/Moses Lake, within 500 km, centered around NL 47-39-12; WL 122-18-21

**Frequency Information**

MOBILE: Free-flying balloons from Seattle/Moses Lake, within 500 km, centered around NL 47-39-12; WL 122-18-21

| Frequency           | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------------|---------------|---------------------|------------------|---------------------------|
| 433.845-433.995 MHz | MO            | 1K50L3D             | 25 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.

This authorization effective May 01, 2016 and  
will expire 3:00 A.M. EST June 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.