

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

EXPERIMENTAL

(Nature of Service)

XE      FX MO

(Class of Station)

WD2XJS

(Call Sign)

0249-EX-ST-2005

(File Number)

NAME Boeing Company, The

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:**

Ground Compatibility Test of a Boeing 737-700 aircraft

**Station Locations**

- (1) Moses Lake (GRANT), WA - NL 47-12-07; WL 119-17-54; MOBILE: Grant County International Airport at temporary locations, within 5 km

**Frequency Information**

Moses Lake (GRANT), WA - NL 47-12-07; WL 119-17-54; MOBILE: Grant County International Airport at temporary locations

| Frequency | Station Class | Emission Designator | Authorized Power      | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|-----------------------|---------------------------|
| 0.1 MHz   | MO            | 10K0P0N             | 0.01 W (Output Power) |                           |
| 75 MHz    | MO            | 6K00A2A             | 0.01 W (Output Power) |                           |
| 108 MHz   | MO            | 20K0A9W             | 0.01 W (Output Power) |                           |

This authorization effective May 20, 2005 and  
will expire 3:00 A.M. EST August 16, 2005

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Moses Lake (GRANT), WA - NL 47-12-07; WL 119-17-54; MOBILE: Grant County International Airport at temporary locations

| Frequency  | Station Class | Emission Designator | Authorized Power       | Frequency Tolerance (+/-) |
|------------|---------------|---------------------|------------------------|---------------------------|
| 108.05 MHz | MO            | 20K0A9W             | 0.01 W (Output Power)  |                           |
| 108.1 MHz  | MO            | 6K00A9W             | 0.01 W (Output Power)  |                           |
| 108.15 MHz | MO            | 6K00A9W             | 0.01 W (Output Power)  |                           |
| 334.55 MHz | MO            | 300HA1N             | 0.004 W (Output Power) |                           |
| 334.7 MHz  | MO            | 300HA1N             | 0.004 W (Output Power) |                           |
| 978 MHz    | MO            | 2M00M1A             | 0.003 W (Output Power) |                           |
| 979 MHz    | MO            | 2M00M1A             | 0.003 W (Output Power) |                           |
| 1030 MHz   | MO            | 12M0M1D             | 0.003 W (Output Power) |                           |
| 1090 MHz   | MO            | 6M40V7D             | 0.018 W (Output Power) |                           |
| 1104 MHz   | MO            | 12M0M1D             | 0.003 W (Output Power) |                           |

## Special Conditions:

- (1) Operations on 75 MHz must be coordinated with Seattle Center and POCC for use between 12 midnight and 4 AM.

- (2) Operations on 1030 MHz shall ensure that the interrogation rate is below 200 interrogations per second, the system complies with ICAO Annex 10 Vol4 standards, and do not include Mode-4, Mode-5, or Mode-S interrogation formats.
- (3) Operations on 1090 MHz shall ensure that the equipment only replies to 1030 MHz interrogations, does not provide more than 10 originated transmissions, the emissions comply with ICAO Annex10 standards, and the altitude information is set to either below sea level or above 60,000 feet.