

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

EXPERIMENTAL

(Nature of Service)

XE      FX MO

(Class of Station)

WD2XJS

(Call Sign)

0155-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 that has a Multiple Role Electronically Scanned Array (MESA) Radar installed.

**Station Locations**

- (1) Glasgow, MT - NL 48-25-21; WL 106-32-10; MOBILE: Glasgow Industrial Airpark at temporary locations, within 5 km, centered around NL 48-25-21; WL 106-32-10

**Frequency Information**

Glasgow, MT - NL 48-25-21; WL 106-32-10; MOBILE: Glasgow Industrial Airpark at temporary locations, within 5 km, centered

| 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 April 07, 2005 and  
will expire 3:00 A.M. EST July 07, 2005

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Glasgow, MT - NL 48-25-21; WL 106-32-10; MOBILE: Glasgow Industrial Airpark at temporary locations, within 5 km, centered

| 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             | 0.001 W (ERP)          |                           |
| 334.55 MHz | MO            | 300HA1N             | 0.001 W (ERP)          |                           |
| 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

- (2) This frequency assignment on 1030 MHz or in the band 1215-1400 MHz was coordinated prior to authorization with the FAA Northwest Coordinator, Seattle, Washington. Use of this frequency or band under the authority of this assignment is subject to such further coordination with the FAA Northwest Coordinator, Seattle, Washington, as necessary to ensure compatibility with existing uses.
- (3) This authorization is for the express purpose of installation and test of MESA radars in aircraft for export.
- (4) Licensee shall use PRR/PRF 235 on 1030 MHz. MODE 4 IS NOT AUTHORIZED ON EITHER 1030 or 1090 MHz.