

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WD2XJS

(Call Sign)

0990-EX-ST-2006

(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

Frequency Information

Glasgow, MT - NL 48-25-21; WL 106-32-10

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 August 24, 2007 and
will expire 3:00 A.M. EST February 25, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Glasgow, MT - NL 48-25-21; WL 106-32-10

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee shall use PRR/PRF of 235 interrogations per second on 1030 MHz.
- (3) Any free space emission on 1090 MHz cannot include any altitude information above sea level. For any testing that requires transmission of an altitude, the 1090 MHz equipment shall be connected to a dummy load or have a "hat" placed over the antenna to prevent free space emissions.
- (4) ERP shall not exceed the powers listed
- (5) The 1030 MHz must operate under Part 87.475 rules, with a PRR of 235 pps. Also, the aircraft can only report ground elevation thru the IFF.