

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WE2XVV

(Call Sign)

0084-EX-ML-2011

(File Number)

NAME Boeing Company, The

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

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 (+/-)
0.10000000 MHz	FX	10K0P0N	0.010000 W (ERP)	
75.00000000 MHz	MO	6K00A2A	0.010000 W (ERP)	
108.00000000 MHz	MO	20K0A9W	0.010000 W (ERP)	
108.05000000 MHz	MO	20K0A9W	0.010000 W (ERP)	

This authorization effective April 26, 2011 and
will expire 3:00 A.M. EST November 30, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
108.10000000 MHz	MO	6K00A9W	0.010000 W (ERP)	
108.15000000 MHz	MO	6K00A9W	0.010000 W (ERP)	
334.55000000 MHz	MO	300HA1N	0.004000 W (ERP)	
334.70000000 MHz	MO	300HA1N	0.004000 W (ERP)	
978.00000000 MHz	MO	2M00M1A	0.003000 W (ERP)	
979.00000000 MHz	MO	2M00M1A	0.003000 W (ERP)	
1030.00000000 MHz	MO	12M0M1D	0.003000 W (ERP)	
1090.00000000 MHz	MO	6M40V7D	0.018000 W (ERP)	
1104.00000000 MHz	MO	12M0M1D	0.003000 W (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.

Special Conditions:

- (3) Licensee shall use PRR/PRF of 235 interrogations per second on 1030 MHz.
- (4) 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.
- (5) ERP shall not exceed the powers listed.
- (6) 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.
- (7) Operation is subject to prior coordination with the FAA's Northwest Mountain Region Frequency Management Office (FMO) at 425-227-2480 at least 24 hours prior to testing.
- (8) Licensee shall operate in accordance with all parameters agreed and follow FAA restrictions.
- (9) Unit must be operated under a hood with a dummy load, or directly connected via cable to the aircraft receiver to reduce free space radiation.
- (10) Mode C response must indicate an altitude below sea level or above 90,000 ft if the unit is not directly connected via cable to the receiver.
- (11) The designated point-of-contact to terminate transmissions if interference occurs is Glasgow tower at (406) 524-3777.