

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WD9XPD

(Call Sign)

0127-EX-ST-2009

(File Number)

NAME The Boeing Company

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:

The test to be performed is an in-flight certification test of the onboard TCAS.

Station Locations

(1) Mansfield, WA - NL 47-48-35; WL 119-38-10

Frequency Information

Mansfield, WA - NL 47-48-35; WL 119-38-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	FX	11M9V7D	250 W (ERP)	

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) Operation is subject to prior coordination with FAA Northwest Regional Office, 1601 Lind Avenue, S.W. Renton, Washington 98055 Phone 206-227-2464.
- (3) Licensee should be aware that other stations may be licensed on 1090 MHz and if any interference occurs, the licensee at this location will be subject to immediate shut down.

This authorization effective April 16, 2009 and
will expire 3:00 A.M. EST October 17, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) The designated point-of-contact to terminate transmission if interference occurs is Mr. Ron Center 206-544-6583
- (5) Altitude setting is required to be forced to either below sea level or above 90000 ft to prevent false TCAS alert from aircrafts flying nearby. Forcing the altitude of the transponder above sea level can be done provided that the event is coordinated with and approved by the local FAA and ARTCC and lasts a very minimal amount of time. When attempting to cause the test aircraft false to receive false TCAS alerts, the transponder with the false altitude setting will not be turned on until the test aircraft establishes contact with the ground test site and is within 7 NM. The ground transponder then will be immediately shut off after the test aircraft receives the false alert.
- (6) Licensee must pre-coordination with Seattle FAA office prior to turning on the equipment. Points of Contact are Vu Pham at 425-227-2480 and Dan O'Rear at 425-227-2637.
- (7) If the testing is to continue beyond October 16, 2009 and this STA is already an extension, Boeing Company must apply for long term experimental FCC license.