

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WD9XHD

(Call Sign)

0088-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 purpose of this STA is to conduct a shielding effectiveness testing in support of Boeing 787 aircraft certification.

Station Locations

(1) San Antonio, TX - NL 29-22-10; WL 98-34-07

Frequency Information

San Antonio, TX - NL 29-22-10; WL 98-34-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
30-18000 MHz	FX	1K00N0N	1 W (ERP)	0.001 %

Special Conditions:

- (1) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (2) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.

This authorization effective April 02, 2009 and
will expire 3:00 A.M. EST October 03, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (4) 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.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (7) All use of the telemetry bands must be on a secondary basis to aeronautical telemetry operation. Sino Swearingen Aircraft Corporation is a licensed user of frequencies in the 1435 to 1525 MHz band and additional coordination may be required. Contact Mr. David Wells at 210-258-8687.
- (8) If this testing is continue beyond 10/02/2009 and this STA is already an extension, Boeing must apply for long term experimental license.
- (9) Operation is NOT permitted on these frequencies: M163.1250, M164.4250, M75.000, M163.3625, M239.0250, M239.2750, M243.000, M244.5750, M251.0750, M252.000, M254.2500, M254.3750, M255.4000, M257.8000, M263.000, M265.4000, M267.9000, M269.1000, M269.4000, M270.2500, M273.5500, M279.5500, M279.600, M281.5000, M285.4500, M291.7500, M299.2000, M301.4000, M306.9000, M307.0000, M307.1000, M307.3000, M317.500, M317.6500, M318.1000, M318.8000, M319.1000, M322.5000, M322.7000, M324.3000, M329.6000, M330.5000, M330.6500, M330.8000, M332.9000, M333.2000, M343.7000, M346.4000, M348.6000, M350.2500, M353.5000, M353.6000, M354.0000, M360.8000, M363.2500, M364.2000, M370.8500, M371.8500, M379.9000, M381.4000, M392.1000.
- (10) Licensee must NOTCH OUT the following bands: 2705-2715 MHz, 2770-2780 MHz, 108-137 MHz and 979-1210 MHz.
- (11) The stop buzzer, point-of-contact, Matt Williams, cell 360-813-4038 or James Skala, cell 425-876-0740 must be present during testing to turn off equipment if interference is cause to federal operations in the San Antonio area.
- (12) Operation is subject to prior coordination with Auxiliary Broadcasting, Fixed Microwave and Wireless Communications Service licensees.
- (13) Any operation in the 1850-1990 and 2130-2200 MHz band must be coordinated with the existing and future users to avoid interference.
- (14) In the 3650-3700 MHz band, licensee must maintain operation separation from grandfathered earth station as defined in Part 90 subpart z, or coordinate an agreement with the grandfathered earth station licensees.
- (15) Licensee must notify registered users in the area and will not cause interference to any existing registered stations in the 3650-3700 MHz band.
- (16) Licensee must get consent from existing Advanced Wireless Service (AWS) and Broadband Radio Services/Educational Broadband Services (BRS/EBS) licensees.