

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

EXPERIMENTAL

(Nature of Service)

WI9XFT

(Call Sign)

XT FX

(Class of Station)

0080-EX-ST-2015

(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:

To test a new GPS system currently under development.

Station Locations

(1) Huntington Beach (ORANGE), CA - NL 33-44-58; WL 118-02-07

Frequency Information

Huntington Beach (ORANGE), CA - NL 33-44-58; WL 118-02-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1227.6 MHz	FX	24M0G1D	6.0E-6 pW (ERP)	
1575.42 MHz	FX	24M0G1D	4.0E-6 pW (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.

This authorization effective May 01, 2015 and
will expire 3:00 A.M. EST October 02, 2015

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COMMISSION**



Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) GPS re-radiators are limited to a maximum ERP value that will result in power levels not to exceed a power spectral density of -140 dBm/24 MHz measured at a distance of 100 ft outside the building of operation. Any malfunction, misalignment, or tampering of the equipment or its location which results in an increased power spectral density outside the building could cause harmful radio frequency interference to GPS receivers, including those in aircraft and/or ground based facilities.
- (4) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (5) The test equipment shall only be used indoors and shall be under the control of Boeing Company.
- (6) Boeing Company shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (7) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (8) The designated point-of-contact to terminate transmissions if interference occurs is Martin Neumann, work phone: 714-896-2341 and alternate phone: 714-896-3542.