

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

EXPERIMENTAL

(Nature of Service)

WE2XIL

(Call Sign)

XD FX

(Class of Station)

0176-EX-RR-2009

(File Number)

NAME Troxler Electronic Laboratories, Inc.

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(i) of the Commission's Rules

Station Locations

(1) Research Triangle Pk (DURHAM), NC - NL 35-55-03; WL 78-52-06

Frequency Information

Research Triangle Pk (DURHAM), NC - NL 35-55-03; WL 78-52-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1575.42 MHz	FX	20M4W7D	39.9 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Dirk Steckman at (919) 719-1821.
- (5) Area of potential interference to GPS reception is under the control of licensee.
- (6) EIRP is no greater than -140 dbm/24 MHz at 100 feet.

This authorization effective August 01, 2009 and
will expire 3:00 A.M. EST August 10, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Operation is limited to activity for the purpose of testing radio-navigation satellite service (RNSS) equipment and systems.
- (9) The test equipment shall only be used indoors and shall be under the control of Troxler Electronic Laboratories, Inc..
- (10) Troxler Electronic Laboratories, Inc. 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."