

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WA2XZH

(Call Sign)

0166-EX-CM-2017

(File Number)

NAME The Boeing Company

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) Long Beach (LOS ANGELES), CA - NL 33-49-39; WL 118-09-02
- (2) Oklahoma City (OKLAHOMA), OK - NL 35-24-28; WL 97-24-27

Frequency Information

Long Beach (LOS ANGELES), CA - NL 33-49-39; WL 118-09-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	10M0V1D	125 W (ERP)	0.005 %

Oklahoma City (OKLAHOMA), OK - NL 35-24-28; WL 97-24-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	FX	10M0V1D	1 W (ERP)	0.005 %

This authorization effective September 13, 2017 and
will expire 3:00 A.M. EST June 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Western Coordinator, Los Angeles, CA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Western Coordinator, Los Angeles, CA, as necessary to ensure compatibility with existing uses.
- (2) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The licensee is required to coordinate with the FAA Western Pacific Regional Frequency Management Office (FMO) at least 72 hours prior to the first two tests. The FMO will coordinate with the air traffic facility responsible for the airspace from the test location to 100 miles north. The FMO can be contacted at 310-725-3475/3671/3668. The results of the first two tests will determine whether ongoing coordination will be required. Testing should be limited in length of time and to off-peak air traffic hours as much as possible.
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Air Force Contract No. FA8526-12-D-0001. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) Operation the frequency 1030 MHz in Oklahoma City, OK is authorized 1 Watt ERP only.
- (7) All testing must use procedures that are consistent with FAA advisory circular 20-151B and the ICAO aeronautical surveillance manual.
- (8) These procedures require that all XPDR antennas to be shielded covered with antenna hat, direct connected to the test set, or connected into a dummy load.
- (9) As an alternative, over the air testing can be conducted provided that
 - a. The Mode C/S, and ADS-B altitude reports respond with 600 ft. below ground level or above 90 K ft.
 - b. If A/C is in normal predispach configuration (in on ground mode and XPDR set to transponder mode), the mode C/S and ADS-B altitude reports may respond with an altitude at ground level.
 - c. Testing should be conducted indoors whenever possible.
 - d. MAX 3 A/C may be tested at a time.
 - e. In between testing, set the XPDR mode to standby.
 - f. Provide Stop buzzer to local ATC prior to test.
- (10) Stop Buzzers: Vern Salvage, 562-310-5890 (Cell); Fred Brown, 405-610-5458 (Office) / 405-706-9436 (Cell) and Phillip Burrus, 405-731-6100 (Office) / 562-225-3069 (Cell).