

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

EXPERIMENTAL
(Nature of Service)

WF2XQP
(Call Sign)

XT FX MO
(Class of Station)

0144-EX-ML-2013
(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(i) of the Commission's Rules

Station Locations

- (1) Middletown, DE - NL 39-31-21; WL 75-43-09; MOBILE: Middletown, DE, within 232 km, centered around NL 39-31-21; WL 75-43-09
- (2) Lakehurst, NJ - NL 40-01-59; WL 74-20-55; MOBILE: Lakehurst, NJ, within 232 km, centered around NL 40-01-59; WL 74-20-55
- (3) Greenville, TX - NL 33-04-15; WL 96-04-11; MOBILE: Greenville, TX, within 232 km, centered around NL 33-04-15; WL 96-04-11

Frequency Information

Middletown, DE - NL 39-31-21; WL 75-43-09; MOBILE: Middletown, DE, within 232 km, centered around NL 39-31-21; WL 75

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2500 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	
14400-14850 MHz	MO	8M00G1D 21M4G1D 42M8G1D 64M0G1D	437 W (ERP)	

This authorization effective August 14, 2013 and
will expire 3:00 A.M. EST October 31, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Middletown, DE - NL 39-31-21; WL 75-43-09; MOBILE: Middletown, DE, within 232 km, centered around NL 39-31-21; WL 75

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14400-14850 MHz	MO	89M5G1D	437 W (ERP)	
15150-15350 MHz	FX	8M00G1D 21M4G1D 42M8G1D 64M0G1D 89M5G1D	77463 W (ERP)	

Lakehurst, NJ - NL 40-01-59; WL 74-20-55; MOBILE: Lakehurst, NJ, within 232 km, centered around NL 40-01-59; WL 74-20-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2500 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	
14400-14850 MHz	MO	8M00G1D 21M4G1D 42M8G1D 64M0G1D 89M5G1D	437 W (ERP)	
15150-15350 MHz	FX	21M4G1D 42M8G1D 64M0G1D 89M5G1D 8M00G1D	77463 W (ERP)	

Frequency Information

Greenville, TX - NL 33-04-15; WL 96-04-11; MOBILE: Greenville, TX, within 232 km, centered around NL 33-04-15; WL 96-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2500 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	
14400-14850 MHz	MO	8M00G1D 21M4G1D 42M8G1D 64M0G1D 89M5G1D	437 W (ERP)	
15150-15350 MHz	FX	8M00G1D 21M4G1D 42M8G1D 64M0G1D 89M5G1D	77463 W (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) Licensee must coordinate with other users as necessary to minimize the interference prior to operation.
- (4) The designated point-of-contact to terminate the system if having interference occurs is Lorraine M. Damerau, 484-844-1285.
- (5) This frequency assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinator (AFC), who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with AFC, as necessary to ensure compatibility with the existing uses.
- (6) Operation in the frequency band 2345-2360 MHz is subject to prior coordination with the Wireless Communications Service (WCS).

Special Conditions:

- (7) Operation is NOT permitted using the following frequency band 2213-2217 MHz and 2248.5-2285.5 MHz.
- (8) The operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (9) All usage at Middletown DE & Lakehurst NJ is coordinated with the Regional Telemetry Coordinator (Mr. Joe White, 301-342-1542 at the Atlantic Test Range, Bld. 2118, paxrtpssched@navy.mil or joseph.white@navy.mil).
- (10) Prior coordination/scheduling are required with Dallas Area Flight Test Radio Coordinating Committee prior to using in Greenville, TX location. Point of contact is (primary) Wayne Morris 903-457-6949 and (secondary) Don Barnett 817-777-3826.