

**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)

0321-EX-RR-2014
(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

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 (+/-)
2200-2208 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	
2222-2244 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	
2291-2315 MHz	MO	5M00F2D	13 W (ERP)	

This authorization effective October 31, 2014 and
will expire 3:00 A.M. EST May 13, 2016

**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 (+/-)
2291-2315 MHz	MO	5M00F3D 5M00G1D	13 W (ERP)	
2365-2500 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)	

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-

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2200-2208 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	

Frequency Information

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 (+/-)
2222-2244 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	
2291-2315 MHz	MO	5M00F2D 5M00F3D 5M00G1D	13 W (ERP)	
2365-2500 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.

Special Conditions:

- (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 Eric Singer, 757-771-7259.
- (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) 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.
- (7) 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).