

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

EXPERIMENTAL
(Nature of Service)

WG2XQX
(Call Sign)

XT FX
(Class of Station)

0323-EX-PL-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) Newington (FAIRFAX), VA - NL 38-43-42; WL 77-11-39

Frequency Information

Newington (FAIRFAX), VA - NL 38-43-42; WL 77-11-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-605 MHz	FX	NON 1M00P0N	0.5 W (ERP)	
615-755 MHz	FX	NON 1M00P0N	0.5 W (ERP)	
777-792 MHz	FX	NON 1M00P0N	0.5 W (ERP)	
807-978 MHz	FX	NON	0.5 W (ERP)	

This authorization effective August 08, 2013 and
will expire 3:00 A.M. EST February 24, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Newington (FAIRFAX), VA - NL 38-43-42; WL 77-11-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
807-978 MHz	FX	1M00P0N	0.5 W (ERP)	
1250-1255 MHz	FX	N0N 1M00P0N	0.5 W (ERP)	
1267-1287 MHz	FX	N0N 1M00P0N	0.5 W (ERP)	
1298-1317 MHz	FX	N0N 1M00P0N	0.5 W (ERP)	
1323-1328 MHz	FX	N0N 1M00P0N	0.5 W (ERP)	
1435-1600 MHz	FX	N0N 1M00P0N	0.5 W (ERP)	
1670-2000 MHz	FX	N0N 1M00P0N	0.5 W (ERP)	

Special Conditions:

- (1) Assignment on 1030 MHz or in one of the bands 1215-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.

Special Conditions:

- (2) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, 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 the AFC as necessary to ensure compatibility with existing uses.
- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) The designated point-of-contact to terminate the system if having interference occurs is James Cahill at 703-682-9538.
- (6) Operation is NOT PERMITTED using the frequency 756-776 MHz and 793-806 MHz.
- (7) Licensee must obtain consent from the Advanced Wireless Service licensees prior to accessing to 1670-2000 MHz.
- (8) Licensee must coordinate with the local Society Broadband Engineers (SBC) frequency coordinator prior to operation in 500-605 MHz and 615-978 MHz.
- (9) Licensee must obtain approved MIDAFC coordination and notification of NAVY POC, Mr. Robert Goddard at 301-342-1194 (robert.n.goddard@navy.mil) prior to anticipated testing start time for frequency bands: 1250-1390 MHz, 1435-1600 MHz, and 1670-2000 MHz