

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WG2XKI

(Call Sign)

0094-EX-CR-2016

(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) Herndon (FAIRFAX), VA - NL 38-57-31; WL 77-22-32
- (2) Ridley Park (PHILADELPHIA), PA - NL 39-51-32; WL 75-19-11

Frequency Information

Herndon (FAIRFAX), VA - NL 38-57-31; WL 77-22-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.25-7.75 MHz	FX	NON	0.06 mW (ERP)	
7.9-8.4 MHz	FX	NON	0.06 mW (ERP)	
1525-1559 MHz	FX	NON	0.06 mW (ERP)	
1625-1660 MHz	FX	NON	0.06 mW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Herndon (FAIRFAX), VA - NL 38-57-31; WL 77-22-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11-12.7 GHz	MO	N0N	0.06 mW (ERP)	
13.8-14.5 GHz	FX	N0N	0.06 mW (ERP)	
19.2-21.2 GHz	MO	N0N	0.06 mW (ERP)	
20 GHz	MO	9M00G1D	0.06 mW (ERP)	
20.1 GHz	MO	4M50G1D	0.06 mW (ERP)	
29-31 GHz	MO	N0N	0.06 mW (ERP)	
29.7 GHz	MO	9M00G1D	0.06 mW (ERP)	

Ridley Park (PHILADELPHIA), PA - NL 39-51-32; WL 75-19-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7.25-7.75 MHz	FX	N0N	0.06 mW (ERP)	
7.9-8.4 MHz	FX	N0N	0.06 mW (ERP)	

Frequency Information

Ridley Park (PHILADELPHIA), PA - NL 39-51-32; WL 75-19-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1525-1559 MHz	FX	N0N	0.06 mW (ERP)	
1625-1660 MHz	FX	N0N	0.06 mW (ERP)	
11-12.7 GHz	MO	N0N	0.06 mW (ERP)	
13.8-14.5 GHz	FX	N0N	0.06 mW (ERP)	
19.2-21.2 GHz	MO	N0N	0.06 mW (ERP)	
20 GHz	FX	9M00G1D	0.06 mW (ERP)	
20.1 GHz	MO	4M50G1D	0.06 mW (ERP)	
29-31 GHz	FX	N0N	0.06 mW (ERP)	
29.7 GHz	MO	9M00G1D	0.06 mW (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) The designated point-of-contact to terminate the system if having interference occurs is Douglas Cook at 703-467-7257.