

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WH2XNS

(Call Sign)

0581-EX-CR-2020

(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(h) of the Commission's Rules

Station Locations

(1) Middletown, DE - NL 39-31-25; WL 75-43-10

Frequency Information

Middletown, DE - NL 39-31-25; WL 75-43-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1619.9 MHz	FX	NON	100 W (ERP)	
1652.3 MHz	FX	NON	100 W (ERP)	
1680 MHz	FX	NON	100 W (ERP)	
1700 MHz	FX	NON	100 W (ERP)	

This authorization effective January 01, 2021 and
will expire 3:00 A.M. EST January 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Middletown, DE - NL 39-31-25; WL 75-43-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1720 MHz	FX	N0N	100 W (ERP)	
1740 MHz	FX	N0N	100 W (ERP)	
1760 MHz	FX	N0N	100 W (ERP)	
1780 MHz	FX	N0N	100 W (ERP)	
1800 MHz	FX	N0N	100 W (ERP)	
1820 MHz	FX	N0N	100 W (ERP)	
1840 MHz	FX	N0N	100 W (ERP)	
1876 MHz	FX	N0N	100 W (ERP)	
1914.3 MHz	FX	N0N	100 W (ERP)	
1950.047 MHz	FX	N0N	100 W (ERP)	

Frequency Information

Middletown, DE - NL 39-31-25; WL 75-43-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1991.7 MHz	FX	N0N	100 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Rob Boynton at 703-872-4666.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineer frequency coordinator to protect the Broadcast Auxiliary Service operations.
- (6) The applicant must get consents from the Advanced Wireless Services licensees prior to accessing to 1720 MHz and 1740 MHz.
- (7) The applicant must get consent from the PCS licenses within 25 miles of the location of the test.