

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XTI

(Call Sign)

0202-EX-CR-2019

(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) MOBILE: Seattle, WA, within 1.6 km, centered around NL 47-30-57; WL 122-17-42
- (2) MOBILE: Ridley Park, PA, within 1.6 km, centered around NL 39-51-32; WL 75-19-11
- (3) MOBILE: Oklahoma, OK, within 15 km, centered around NL 35-24-55; WL 97-22-37
- (4) MOBILE: St. Louis, MO, within 1.6 km, centered around NL 38-44-29; WL 90-21-53
- (5) MOBILE: San Antonio, TX, within 1.6 km, centered around NL 29-22-23; WL 98-34-10

Frequency Information

MOBILE: Seattle, WA, within 1.6 km, centered around NL 47-30-57; WL 122-17-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.9 GHz	MO	NON	0.01 W (ERP)	
5.3-8.9 GHz	MO	NON	0.01 W (ERP)	
9.3-10.5 GHz	MO	NON	0.01 W (ERP)	

This authorization effective July 01, 2019 and
will expire 3:00 A.M. EST July 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Seattle, WA, within 1.6 km, centered around NL 47-30-57; WL 122-17-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.8-15.2 GHz	MO	N0N	0.01 W (ERP)	
15.5-18 GHz	MO	N0N	0.01 W (ERP)	

MOBILE: Ridley Park, PA, within 1.6 km, centered around NL 39-51-32; WL 75-19-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.9 GHz	MO	N0N	0.01 W (ERP)	
5.3-8.9 GHz	MO	N0N	0.01 W (ERP)	
9.3-10.5 GHz	MO	N0N	0.01 W (ERP)	
10.8-15.2 GHz	MO	N0N	0.01 W (ERP)	
15.5-18 GHz	MO	N0N	0.01 W (ERP)	

Frequency Information

MOBILE: Oklahoma, OK, within 15 km, centered around NL 35-24-55; WL 97-22-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.9 GHz	MO	N0N	0.01 W (ERP)	
5.3-8.9 GHz	MO	N0N	0.01 W (ERP)	
9.3-10.5 GHz	MO	N0N	0.01 W (ERP)	
10.5-15.2 GHz	MO	N0N	0.01 W (ERP)	
15.5-18 GHz	MO	N0N	0.01 W (ERP)	

MOBILE: St. Louis, MO, within 1.6 km, centered around NL 38-44-29; WL 90-21-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.9 GHz	MO	N0N	0.01 W (ERP)	
5.3-8.9 GHz	MO	N0N	0.01 W (ERP)	
9.3-10.5 GHz	MO	N0N	0.01 W (ERP)	
10.8-15.2 GHz	MO	N0N	0.01 W (ERP)	

Frequency Information

MOBILE: St. Louis, MO, within 1.6 km, centered around NL 38-44-29; WL 90-21-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.5-18 GHz	MO	N0N	0.01 W (ERP)	

MOBILE: San Antonio, TX, within 1.6 km, centered around NL 29-22-23; WL 98-34-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.9 GHz	MO	N0N	0.01 W (ERP)	
5.3-8.9 GHz	MO	N0N	0.01 W (ERP)	
9.3-10.5 GHz	MO	N0N	0.01 W (ERP)	
10.8-15.2 GHz	MO	N0N	0.01 W (ERP)	
15.5-18 GHz	MO	N0N	0.01 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) Operation is NOT PERMITTED using the following frequency bands:
4200-4400 MHz
5590-5660 MHz
10680-10700 MHz
14615-14621 MHz
14628-14634 MHz

Special Conditions:

- (4) Operation is subject to prior coordination with the with the local Society of Broadband Engineer frequency coordinator and the affected Fixed Microwave Service licensees in each proposed area.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Patrick McCauley at 610-591-8907.
- (6) Licensee will not use to develop equipment.
- (7) Licensee will not transmit in the direction of 85 degrees plus or minus 5 degrees per FAA requests.