

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

EXPERIMENTAL

(Nature of Service)

WF2XFJ

(Call Sign)

XT MO

(Class of Station)

0109-EX-ML-2012

(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: Boeing Facility, Ridley Park, PA, within 1 km, centered around NL 39-51-39; WL 75-19-11
- (2) MOBILE: MSL is 25,000 ft, Arlington, TX, within 6.5 km, centered around NL 32-39-50; WL 97-05-39
- (3) MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-43-57; WL 107-19-54
- (4) MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-51-57; WL 107-08-13
- (5) MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 35-19-28; WL 107-04-20
- (6) MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-49-25; WL 107-16-56
- (7) MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-51-40; WL 107-12-06

Frequency Information

MOBILE: Boeing Facility, Ridley Park, PA, within 1 km, centered around NL 39-51-39; WL 75-19-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	20M0D7W	97 W (ERP)	

This authorization effective August 09, 2012 and
will expire 3:00 A.M. EST December 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: MSL is 25,000 ft, Arlington, TX, within 6.5 km, centered around NL 32-39-50; WL 97-05-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	20M0D7W	97 W (ERP)	

MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-43-57; WL 107-19-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	20M0D7W	97 W (ERP)	

MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-51-57; WL 107-08-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	20M0D7W	97 W (ERP)	

MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 35-19-28; WL 107-04-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	20M0D7W	97 W (ERP)	

Frequency Information

MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-49-25; WL 107-16-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	20M0D7W	97 W (ERP)	

MOBILE: MSL is 25,000 ft, Albuquerque, NM, within 6.5 km, centered around NL 34-51-40; WL 107-12-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2300 MHz	MO	20M0D7W	97 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 designated point-of-contact to terminate transmissions if interference occurs is Brendon Blanton (302) 388-8570 and Brian Gilman (206) 544-6034.
- (4) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA operations.