

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

EXPERIMENTAL
(Nature of Service)

WI2XBK
(Call Sign)

XT FX MO
(Class of Station)

0493-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(h) of the Commission's Rules

Station Locations

- (1) San Tan Valley (MARICOPA), AZ - NL 33-11-27; WL 111-29-13; MOBILE: San Tan Valley, AZ, within 75 km, centered around NL 33-11-27; WL 111-29-27
- (2) Mesa (MARICOPA), AZ - NL 33-28-19; WL 111-43-28; MOBILE: Mesa, AZ, within 80 km, centered around NL 33-28-19; WL 111-43-28

Frequency Information

San Tan Valley (MARICOPA), AZ - NL 33-11-27; WL 111-29-13; MOBILE: San Tan Valley, AZ, within 75 km, centered around f

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
156.85 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	
156.85 MHz	MO	15K8F3E 26K8F1D	8 W (ERP)	
159.5 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Tan Valley (MARICOPA), AZ - NL 33-11-27; WL 111-29-13; MOBILE: San Tan Valley, AZ, within 75 km, centered around 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
159.5 MHz	MO	15K8F3E 26K8F1D	8 W (ERP)	
161.6 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	
161.6 MHz	MO	15K8F3E 26K8F1D	8 W (ERP)	
162 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	
162 MHz	MO	15K8F3E 26K8F1D	8 W (ERP)	

Mesa (MARICOPA), AZ - NL 33-28-19; WL 111-43-28; MOBILE: Mesa, AZ, within 80 km, centered around NL 33-28-19; WL 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
156.85 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	
156.85 MHz	MO	15K8F3E 26K8F1D	8 W (ERP)	

Frequency Information

Mesa (MARICOPA), AZ - NL 33-28-19; WL 111-43-28; MOBILE: Mesa, AZ, within 80 km, centered around NL 33-28-19; WL 1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
159.5 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	
159.5 MHz	MO	15K8F3E 26K8F1D	8 W (ERP)	
161.6 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	
161.6 MHz	MO	15K8F3E 26K8F1D	8 W (ERP)	
162 MHz	FX	15K8F3E 26K8F1D	8 W (ERP)	
162 MHz	MO	15K8F3E 26K8F1D	8 W (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) Boeing must notch out the following within the 156.025 - 162.025 MHz band;
- a. All +/- 8 kHz
 - i. 156.650 MHz
 - ii. 156.800 MHz
 - iii. 157.050 MHz
 - iv. 157.075 MHz
 - v. 157.100 MHz
 - vi. 157.125 MHz
 - vii. 157.150 MHz
 - viii. 157.175 MHz
 - ix. 158.910 MHz
 - x. 159.090 MHz
 - b. All +/- 10 kHz
 - i. 161.975 MHz
 - ii. 162.025 MHz
- (4) Operation is subject to coordinate with the local Society of Broadcast Engineers frequency coordinator prior to accessing 159.5 MHz.