

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

EXPERIMENTAL

(Nature of Service)

WG2XVB

(Call Sign)

XT FX MO

(Class of Station)

0483-EX-CR-2021

(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) Mesa (MARICOPA), AZ - NL 33-27-39; WL 111-43-42; MOBILE: Aircraft will operate below AGL 4000 ft, Mesa, AZ, within 10 km, centered around NL 33-27-39; WL 111-43-42

Frequency Information

Mesa (MARICOPA), AZ - NL 33-27-39; WL 111-43-42; MOBILE: Aircraft will operate below AGL 4000 ft, Mesa, AZ, within 10 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14410 MHz	MO	48M0G1D 21M4G1D 64M0G1D 800KG1D 8M00G1D	544 W (ERP)	
14600 MHz	MO	48M0G1D 21M4G1D 64M0G1D 800KG1D	544 W (ERP)	

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

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Frequency Information

Mesa (MARICOPA), AZ - NL 33-27-39; WL 111-43-42; MOBILE: Aircraft will operate below AGL 4000 ft, Mesa, AZ, within 10 k

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14600 MHz	MO	8M00G1D	544 W (ERP)	
14640 MHz	MO	48M0G1D 21M4G1D 64M0G1D 800KG1D 8M00G1D	544 W (ERP)	
14820 MHz	MO	48M0G1D 21M4G1D 64M0G1D 800KG1D 8M00G1D	544 W (ERP)	
15250 MHz	FX	48M0G1D 21M4G1D 64M0G1D 800KG1D 8M00G1D	544 W (ERP)	
15340 MHz	FX	48M0G1D 21M4G1D 64M0G1D 800KG1D 8M00G1D	544 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.

Special Conditions:

- (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 the system if having interference occurs is Shannon Middleton at 480-249-6556.
- (4) Operation is NOT PERMITTED using the frequencies 15150 MHz and 15160 MHz.
- (5) During transmission, aircraft shall not exceed the altitude 4000 ft.