

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

EXPERIMENTAL

(Nature of Service)

WK2XKF

(Call Sign)

XT MO

(Class of Station)

0479-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) MOBILE: Boeing Aurora Flight Sciences Facility, Manassas, VA, within 1 km, centered around NL 38-43-53; WL 77-30-59

Frequency Information

MOBILE: Boeing Aurora Flight Sciences Facility, Manassas, VA, within 1 km, centered around NL 38-43-53; WL 77-30-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1030 MHz	MO	6M00M1D	0.03 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 subject to prior coordination with FAA.
- (4) Test using direct connect method whenever possible, if radiation type testing used then shield as much as possible.
- (5) Test set max radiated power allowed is 0.03 W ERP (or may choose a limit of 0.03 W transmitter peak power).

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (6) Only modes 3/A,C,S are allowed for radiated testing.
- (7) Radiation testing will be performed for a max period of 30 seconds followed by a period of at least 60 seconds of quiet.
- (8) Stop buzzer is Jason Fine at 703-396-6359.
- (9) This is not an authorization for the aircraft transponder to radiate.
- (10) Ground test only.
- (11) Local ATC must be informed of radiation testing.