

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WG2XYQ

(Call Sign)

0545-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) Oklahoma City (OKLAHOMA), OK - NL 35-24-14; WL 97-24-27

Frequency Information

Oklahoma City (OKLAHOMA), OK - NL 35-24-14; WL 97-24-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
129.675 MHz	FX	6K00A3E	25 W (ERP)	
131.55 MHz	FX	13K0A2D	25 W (ERP)	
136.7 MHz	FX	14K0G1D	25 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.

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

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Special Conditions:

- (3) The designated point-of-contact to terminate the system if interference should occur is: Chris A. Eldridge at (405) 582-8976; Michael P. Mihalek at (405) 458-6627; (or) Main Lab, (405) 582-8634.
- (4) Operation is subject to prior coordination with Aviation Spectrum Resources, Inc. (ASRI).
- (5) All emissions are limited to 25 Watts EIRP for the 25 kHz channels.
- (6) Only the emissions specified below may be transmitted on the respective frequencies.
129.675 (Voice operations - emission 6K00A3E)
131.550 (ACARS - emission 13K0A2D)
136.700 (VDL Mode 2 emission - 14K0G1D)
- (7) There shall not be any harmful interference, or unnecessary traffic with detrimental performance effects, to existing datalink networks or adjacent frequency voice users because of this concurrence.
- (8) Radios operated on the above frequencies shall only connect to existing datalink networks operated by currently licensed VHF and HF service providers, the Boeing Company may not create or operate its own independent datalink network.
- (9) Before operation, valid service agreements shall be in place with the affected service providers to ensure testing is coordinated and complies with all service provider requirements for network access (including relevant ICAO, RTCA and AEEC radio standards and protocols).
- (10) The Boeing Company shall cease operations immediately if interference or adverse network effects are reported by existing users.
- (11) An emergency stop contact is provided to affected users.
- (12) Voice operations are secondary to existing and future users.