

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ2XRL

(Call Sign)

0678-EX-CN-2026

(File Number)

NAME The Aerospace Corporation

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(J) of the Commission's Rules

Station Locations

(1) El Segundo (LOS ANGELES), CA - NL 33-54-46; WL 118-22-56

Frequency Information

El Segundo (LOS ANGELES), CA - NL 33-54-46; WL 118-22-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1660.5 MHz	FX	200KG7D	4.417 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) The Aerospace Corporation should be aware that, while this frequency range may be used without restriction for ground testing, its use on space-based transmitters may require added technical limits to protect radio astronomy receivers in the 1660 - 1670 MHz band.
- (3) The Aerospace Corporation (Aerospace) is authorized to perform ground testing using its satellite antenna located at geographical coordinates 33° 54' 46.0" N, 118° 22' 56.0" W in Los Angeles, CA to communicate with the Inmarsat 4F3 (S2932) satellite using the 1626.5 - 1660.5 MHz frequency band (Earth-to-space).
- (4) Stop Buzzer Point of Contact
Thomas Pridy, 310-336-5183, thomas.c.pridy@aero.org

This authorization effective July 29, 2026 and
will expire 3:00 A.M. ET August 01, 2028

**FEDERAL
COMMUNICATIONS
COMMISSION**

