

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

EXPERIMENTAL
(Nature of Service)

WP2XAZ
(Call Sign)

XT MO
(Class of Station)

0561-EX-CN-2024
(File Number)

NAME Aerospace Corporation, The

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) MOBILE: NonGeoStationary, SP

Frequency Information

MOBILE: NonGeoStationary, SP

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2225 MHz	MO	1M60G1D	2.2 W (ERP)	0.00025 %

Special Conditions:

(1) The licensee shall provide the Commission with all information required for the Advance Publication, Coordination and Notification of frequency assignments pursuant to the International Radio Regulations. This includes the preparation of draft materials, to be provided to the Commission prior to submission to the International Telecommunication Union. The authorized operations require notification of frequency assignments pursuant to Article 11 of the ITU Radio Regulations. Licensee shall provide the FCC, not later than 30 days after a frequency assignment is brought into use, the documents required for notification (including SpaceCap Notification MDB file) of such frequency assignments. The licensee shall also prepare materials for informing the ITU that a frequency assignments has been brought into use, or that its use has been suspended or permanently discontinued.

This authorization effective January 15, 2025 and
will expire 3:00 A.M. EST January 01, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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.
- (3) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.
- (4) Upon receipt of a conjunction warning from the JSpOC or other source, the licensee must review the warning and take all possible steps to assess and, if necessary, to mitigate collision risk, including, but not limited to: contacting the operator of any active spacecraft involved in such warning; sharing ephemeris data and other appropriate operational information with any such operator; modifying spacecraft attitude and/or operations.
- (5) POINT OF COMMUNICATION: AeroCube-18
- (6) Experimental operation must be on an unprotected and non-interference basis (NIB), i.e., licensee must not cause harmful interference to and must not claim protection from interference caused to it by, any other lawfully operating stations.
- (7) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (8) Experimental licensee shall cease Aerocube-18 uplink (Earth-space) transmissions centered at 2075.0 MHz during NASA Artemis missions, beginning with Artemis IV (Sep 2028), from launch to launch plus 48 hours.
- (9) PROVIDING DATA SERVICES FOR MONETARY GAIN OR SHARING DATA WITH FEDERAL AGENCIES IS STRICTLY PROHIBITED UNDER THE TERMS OF THE EXPERIMENTAL LICENSE. THIS LICENSE IS FOR EXPERIMENTAL PURPOSES ONLY AND DOES NOT AUTHORIZE COMMERCIAL OR OPERATIONAL SERVICES.
- (10) Experimental licensee is strictly prohibited from operating at 914.7 MHz.
- (11) Stop Buzzer Point of Contact Information
Name: Rudd Johnson
Telephone: (310) 336-1310
Email: Rudd.johnson@aero.org
- (12) Transmissions from foreign earth stations to the AeroCube-18 must obtain the appropriate regulatory license from the respective foreign administrations prior to operations.
- (13) OPERATIONS OF SPACE STATION/S THAT COMMUNICATE/S TO ASSOCIATED GROUND STATION/S OUTSIDE OF THE USP REQUIRE THE AEROSPACE CORPORATION TO INITIATE AND COMPLETE THE ADVANCE PUBLICATION, COORDINATION, DUE DILIGENCE, AND NOTIFICATION PROCESS FOR THESE SPACE STATIONS AND OBTAINS AUTHORIZATION FROM APPROPRIATE ADMINISTRATION/S WHERE THE FOREIGN GROUND STATION/S IS/ARE LOCATED.