

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

EXPERIMENTAL
(Nature of Service)

XT FX MO
(Class of Station)

WQ2XEW
(Call Sign)

0124-EX-CM-2026
(File Number)

NAME Cowboy Space Corp.

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) San Carlos (SAN MATEO), CA - NL 37-30-27; WL 122-15-16
- (2) White Sands (DONA ANA), NM - NL 32-30-53; WL 106-14-41
- (3) MOBILE: NGSO 510 km (97.4 deg inclination)
- (4) MOBILE: NGSO 510 km (97.4 deg inclination)
- (5) MOBILE: NGSO 510 km (97.4 deg inclination)
- (6) San Carlos, CA - NL 37-30-27; WL 122-15-16
- (7) White Sands (DONA ANA), NM - NL 32-38-30; WL 106-19-54

Frequency Information

San Carlos (SAN MATEO), CA - NL 37-30-27; WL 122-15-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
402.2 MHz	FX	5K76F1D	3.056 W (ERP)	0.0001 %

This authorization effective July 14, 2026 and
will expire 3:00 A.M. EST May 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

White Sands (DONA ANA), NM - NL 32-30-53; WL 106-14-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2100 MHz	FX	1M02G1D	1000 W (ERP)	0.0001 %

MOBILE: NGSO 510 km (97.4 deg inclination)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2240 MHz	MO	4M00G1D	3.5 W (ERP)	0.0001 %

MOBILE: NGSO 510 km (97.4 deg inclination)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2240 MHz	MO	4M00G1D	5.6 W (ERP)	0.0001 %

MOBILE: NGSO 510 km (97.4 deg inclination)

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400.65 MHz	MO	20K0F1D	1.2 W (ERP)	0.0001 %

Frequency Information

San Carlos, CA - NL 37-30-27; WL 122-15-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2100 MHz	FX	1M02G1D	1000 W (ERP)	0.0001 %

White Sands (DONA ANA), NM - NL 32-38-30; WL 106-19-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2100 MHz	FX	1M02G1D	1000 W (ERP)	0.0001 %

Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (2) 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.
- (3) 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.
- (4) 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.

Special Conditions:

- (5) This authorization is for experimental purposes only and does not permit commercial, operational, or revenue generating services of any kind. The experimental licensee is strictly prohibited from charging fees, receiving compensation, or deriving any direct or indirect financial benefit from activities conducted under this grant. Should the licensee engage in any prohibited commercial or revenue generating activity, all transmissions conducted under this authorization must cease immediately.
- (6) All Earth to space and space to Earth transmissions must occur only when the Reason-1 satellite is within the line of sight of its authorized earth station locations, as specified in the Part 5 application.
- (7) All space-to-Earth transmissions centered at 400.65 MHz must be ceased when the International Space Station (ISS, NORAD ID: 25544) is less than 1450 kilometers away from the transmitting spacecraft.
- (8) All Earth-to-space transmissions centered at 402.2 MHz must not exceed a total Effective Isotropic Radiated Power (EIRP) of +7 dBW, in accordance with FN 5.264A of the Radio Regulations.
- (9) All Earth-to-space transmissions centered at 2100 MHz must be ceased from all earth station locations when any of the following spacecraft are within 10 degrees of the earth station antenna boresight: Landsat-8 (NORAD ID: 39084), Landsat-9 (NORAD ID: 49260), and/or Magnetospheric Multiscale Mission (MMS) (NORAD IDs: 40482 through 40485).
- (10) All space-to-Earth transmissions centered at 2240 MHz must be ceased and no earth station receive operations are permitted when the conjunction angle formed by the location 34° 12' 07" N 118° 10' 35" W (angle vertex), the Reason-1 spacecraft, and the ISS (NORAD ID: 25544) is less than or equal to 5 degrees.
- (11) All space-to-Earth transmissions centered at 2240 MHz to earth stations located in the US&P must be strictly limited to support of Federal operations and/or activities.
- (12) OPERATIONS IN AREA FREQUENCY COORDINATOR NEW MEXICO AREA OF RESPONSIBILITY MUST BE SCHEDULED 96 HOURS PRIOR TO OPERATION, VIA EMAIL TO USARMY.WSMR.ATEC.LIST.DOD-AFC-NEW-MEXICO(AT)ARMY.MIL A VALID COPY OF FCC LICENSE MUST BE PROVIDED TO SCHEDULE AND PROVIDE DATES AND TIMES.
- (13) OPERATIONS OF SPACE STATION/S THAT COMMUNICATE/S TO ASSOCIATED GROUND STATION/S OUTSIDE OF THE USP REQUIRE AETHERFLUX, INC. 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.
- (14) Transmissions from foreign earth stations to the REASON-1 must obtain the appropriate regulatory license from the respective foreign administrations prior to operations.
- (15) Experimental licensee must coordinate with the local Society of Broadcast Engineers Frequency Coordinator in each proposed area prior to accessing to 2100 MHz. Consult the list at <http://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.

Special Conditions:

(16) Stop Buzzer Point of Contact

Name: Andrew Yarmola

Tele: +1 (352) 359-7818

Email: Andrew@cowboyspace.com