

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

EXPERIMENTAL

(Nature of Service)

WQ2XQL

(Call Sign)

XT MO

(Class of Station)

0747-EX-CN-2026

(File Number)

NAME \_\_\_\_\_ TSC \_\_\_\_\_

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: Alto, AZ, within 190 km, centered around NL 31-36-16; WL 110-52-41

Frequency Information

MOBILE: Alto, AZ, within 190 km, centered around NL 31-36-16; WL 110-52-41

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 16.4 GHz  | MO            | 100MW7W<br>2G00F0N  | 32 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.
- (3) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (4) ERP shall not exceed 32 W.
- (5) Stop Buzzers: Darin Defendorf (325) 518-0892 and David Seekings (702) 715-7054.
- (6) During transmission, aircraft shall not exceed the altitude 10,000 ft AGL.
- (7) Non-approved equipment must be labeled.

This authorization effective August 10, 2026 and  
will expire 3:00 A.M. ET August 01, 2028

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (8) Non-approved equipment must be retrieved.
- (9) Prior to commencing operations in the authorized frequency band(s), the experimental licensee must notify the potentially affected licensees below. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should also include the testing parameters (e.g., specific location(s), frequency bands, antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test

Frequency Bands: 15.43-15.63 GHz (E-s) Call sign S2992/S3069)

Licensee: Space Exploration Holdings, LLC, Phone Number: 202-649-2700

ATTN: Mr. David Goldman, E-Mail: david.goldman@spacex.com

Frequency Bands: 17.3-17.7 GHz (s-E) (Call sign S2869)

Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S3039)

Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S2669)

Frequency Bands: 17.3-17.7 GHz (Call sign S2797)

Frequency Bands: 17.3-17.7 GHz (Call sign S2930)

Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S2673, S2694, S2632)

Licensee: DIRECTV Enterprises, LLC

ATTN: Mr. Navid Motamed. Phone Number: 310-964-3589 E-Mail:

nm704u@att.com and DirecTV/AT&T. Mr. Raquel Noriega Email:

raquel.noriega@att.com

Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S3093)

Licensee: EchoStar Satellite Operating Corporation Phone Number: 202-463-3709

Frequency Bands: 17.3-17.7 GHz (s-E) (Call sign E140100)

Frequency Bands: 17.3-17.8 GHz (E-s) (Call sign S2738, S2790 )

Licensee: DISH Operating L.L.C. Phone Number: 202-463-3709

ATTN: Ms. Alison Minea, E-Mail: Alison.Minea@dish.com

- (10) Prior to submitting the renewal for this assignment, please ensure pre-coordinate with the FAA.