

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

EXPERIMENTAL
(Nature of Service)

XC MO
(Class of Station)

WQ2XPA
(Call Sign)

0524-EX-CN-2026
(File Number)

NAME Orion Space Solutions

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(b,c) of the Commission's Rules

Station Locations

- (1) MOBILE: Louisville, CO, within 3.2 km, centered around NL 39-58-03; WL 105-10-00
- (2) MOBILE: Colorado Springs, CO, within 3.2 km, centered around NL 39-04-27; WL 104-44-44
- (3) MOBILE: Colorado Springs, CO, within 3.2 km, centered around NL 38-54-16; WL 104-51-32
- (4) MOBILE: Limon, CO, within 3.2 km, centered around NL 39-15-50; WL 103-41-32

Frequency Information

MOBILE: Louisville, CO, within 3.2 km, centered around NL 39-58-03; WL 105-10-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.15 MHz	MO	100KF3N	33 W (ERP)	
4.45 MHz	MO	100KF3N	33 W (ERP)	
5.25 MHz	MO	100KF3N	33 W (ERP)	

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

FEDERAL COMMUNICATIONS COMMISSION



Frequency Information

MOBILE: Louisville, CO, within 3.2 km, centered around NL 39-58-03; WL 105-10-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.735 MHz	MO	100KF3N	33 W (ERP)	

MOBILE: Colorado Springs, CO, within 3.2 km, centered around NL 39-04-27; WL 104-44-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.15 MHz	MO	100KF3N	33 W (ERP)	
4.45 MHz	MO	100KF3N	33 W (ERP)	
5.25 MHz	MO	100KF3N	33 W (ERP)	
6.735 MHz	MO	100KF3N	33 W (ERP)	

MOBILE: Colorado Springs, CO, within 3.2 km, centered around NL 38-54-16; WL 104-51-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.15 MHz	MO	100KF3N	33 W (ERP)	
4.45 MHz	MO	100KF3N	33 W (ERP)	

Frequency Information

MOBILE: Colorado Springs, CO, within 3.2 km, centered around NL 38-54-16; WL 104-51-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.25 MHz	MO	100KF3N	33 W (ERP)	
6.735 MHz	MO	100KF3N	33 W (ERP)	

MOBILE: Limon, CO, within 3.2 km, centered around NL 39-15-50; WL 103-41-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.15 MHz	MO	100KF3N	33 W (ERP)	
4.45 MHz	MO	100KF3N	33 W (ERP)	
5.25 MHz	MO	100KF3N	33 W (ERP)	
6.735 MHz	MO	100KF3N	33 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) Stop Buzzer POC: Junk Wilson (719) 322-1126.

Special Conditions:

- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government, contract number W9124-P-19-9-0001. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) Use of the 6.65 MHz frequency is not permitted; the authorized frequency is 6.735 MHz.