

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WL2XJO

(Call Sign)

0931-EX-CN-2020

(File Number)

NAME Lynk Global, Inc.

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: Low Mountain, AZ, within 20 km, centered around NL 35-56-59; WL 110-05-03
- (2) MOBILE: Area near Low Mountain, AZ, within 20 km, centered around NL 35-56-59; WL 110-05-03
- (3) MOBILE: LEO space payload 480 km altitude, 51 deg. incl
- (4) MOBILE: Falls Church, VA, within 20 km, centered around NL 38-53-08; WL 77-09-49
- (5) MOBILE: Adak, AK, within 20 km, centered around NL 51-50-08; WL 176-37-18
- (6) MOBILE: Sperryville, VA, within 20 km, centered around NL 38-37-53; WL 78-13-19

Frequency Information

MOBILE: Low Mountain, AZ, within 20 km, centered around NL 35-56-59; WL 110-05-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824.2-848.8 MHz	MO	200KG7W	0.97 W (ERP)	0.00001 %

This authorization effective May 17, 2021 and
will expire 3:00 A.M. EST June 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Area near Low Mountain, AZ, within 20 km, centered around NL 35-56-59; WL 110-05-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
869.2-893.8 MHz	MO	200KG7W	9.68 W (ERP)	0.00001 %

MOBILE: LEO space payload 480 km altitude, 51 deg. incl

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824.2-848.8 MHz	MO	200KG7W	160.3 W (ERP)	0.00001 %
869.2-893.8 MHz	MO	200KG7W	160.3 W (ERP)	0.00001 %
1615.35-1617.495 MHz	MO	1M23G7W	0.826 W (ERP)	0.00025 %

MOBILE: Falls Church, VA, within 20 km, centered around NL 38-53-08; WL 77-09-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
845.2-846.2 MHz	MO	200KG7W	9.7 W (ERP)	0.00001 %
845.2-846.2 MHz	MO	200KG7W	0.97 W (ERP)	0.0001 %

Frequency Information

MOBILE: Adak, AK, within 20 km, centered around NL 51-50-08; WL 176-37-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
846.6-848.8 MHz	MO	200KG7W	9.68 W (ERP)	0.00001 %

MOBILE: Sperryville, VA, within 20 km, centered around NL 38-37-53; WL 78-13-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
845-847 MHz	MO	200KG7W	0.97 W (ERP)	0.0001 %
845-847 MHz	MO	200KG7W	9.7 W (ERP)	0.0001 %

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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.
- (5) 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.
- (6) The power flux density generated by satellite transmissions in the territory of an administration with which no agreement exists shall not exceed -130 dB(W/m²).
- (7) Transmissions from the space station are only authorized towards the territory of administrations from which agreement has been obtained.

Special Conditions:

- (8) All on-orbit operations shall be limited to durations when a licensed test facility is within view of the Lynk the World satellite.
- (9) Operations of the Lynk the World satellite shall be coordinated with the NASA Johnson Space Center (JSC) Spectrum Manager, Cathy Sham (Catherine.c.sham@nasa.gov), prior to jettison and on-orbit operations. Lynk Global, Inc. shall comply with any and all restrictions that may be levied to protect International Space Station (ISS) operations.
- (10) Prior to commencing any operations, licensee must obtain consent from the Cellular licensees (824-849 MHz/869-894 MHz) within 316 miles of the contours of the testing area.
- (11) POINT OF COMMUNICATION: Lynk the World Satellite