

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WO9XPA

(Call Sign)

0646-EX-ST-2019

(File Number)

NAME UbiquitiLink, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

The testing will provide important technical data regarding the CONOPS, which will directly impact the future versions of the systems design and performance.

Station Locations

- (1) MOBILE: Area near 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 450 km altitude, 51 deg. incl

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 (+/-)
824.2-848.8 MHz	MO	200KG7W	0.97 W (ERP)	0.00001 %

This authorization effective August 01, 2019 and
will expire 3:00 A.M. EST February 02, 2020

**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 450 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 %

Special Conditions:

- (1) 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.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) POINT OF COMMUNICATIONS: UbiquitiLink - One.
- (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).

Special Conditions:

- (7) Transmissions from the space station are only authorized towards the territory of administrations from which agreement has been obtained.
- (8) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
Cellular licensees (824-849 MHz/869-894 MHz)