

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

EXPERIMENTAL

(Nature of Service)

WL2XGN

(Call Sign)

XD FX MO

(Class of Station)

0708-EX-CN-2020

(File Number)

NAME KeyW 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) MOBILE: NGSO payload -Incl. 51.6 deg, alt. approx. 419 km
- (2) Tucson (PIMA), AZ - NL 32-05-22; WL 110-48-33

Frequency Information

MOBILE: NGSO payload -Incl. 51.6 deg, alt. approx. 419 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8025-8325 MHz	MO	50M0G7D 50M0G7D	4.25 W (ERP)	

Tucson (PIMA), AZ - NL 32-05-22; WL 110-48-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9200-10550 MHz	FX	50M0G7D	9.64 kW (ERP)	

This authorization effective December 02, 2020 and
will expire 3:00 A.M. EST December 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) KeyW Corp must adhere to the following:
 - a) Prior to operations, provide a testing schedule and stop buzzer POC to the DoD AFC AZ office at 520-538-6423 or 520-538-6424.
 - b) Prior to operations coordinate operations with the VLBI Point-of-Contact:
Dan "Mert" Mertely
nrao-rfi@nrao.edu
phone: (575) 835-7128
 - c) Avoid direct illumination of the Kitt Peak VLBI station
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (6) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (7) POINT OF COMMUNICATION: LEMUR (NGSO) (Call Sign) S2946
- (8) Licensee is authorized to operate a 1.5m gateway earth station located at Tucson, AZ, in the 9200-10550 MHz frequency band.
- (9) Prior to commencing any operations, Licensee must provide notification to any station shown in ULS and licensed for operation in the 9200-10400 MHz within 50 miles of Tucson, AZ earth station (please see condition no. 22 set forth in the Spire Global, Inc.'s space station authorization, File Nos. SAT-LOA-20151123-00078 & SAT-MOD-20200603-00065, Call Sign S2946, granted on September 18, 2020)