

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

EXPERIMENTAL

(Nature of Service)

WP9XWE

(Call Sign)

XT FX MO

(Class of Station)

1403-EX-ST-2019

(File Number)

NAME KeyW Corp.

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:

Evaluate the antenna patterns and pointing control algorithms to facilitate the development of novel phased array technologies.

Station Locations

- (1) MOBILE: NGSO payload -Incl. 51.6 deg, alt. approx. 419 km
- (2) Tuscon (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	4.25 W (ERP)	
		50M0G7D		

This authorization effective May 01, 2020 and
will expire 3:00 A.M. EST November 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Tuscon (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)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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
nrdo-rfi@nrdo.edu
phone: (575) 835-7128
 - c) Avoid direct illumination of the Kitt Peak VLBI station
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (6) POINT OF COMMUNICATION: LEMUR-2 Satellite
- (7) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.