

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

EXPERIMENTAL

(Nature of Service)

WO9XPO

(Call Sign)

XC MO

(Class of Station)

0672-EX-ST-2019

(File Number)

NAME Dynetics, 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:

Operation of Fortem low weight, low power prototype radar for counter UAS.

Station Locations

- (1) MOBILE: Yuma Proving Grounds, AZ: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 32-55-33; WL 113-45-27
- (2) MOBILE: Mobile Airborne Quantico VA: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 38-34-49; WL 77-26-08
- (3) MOBILE: Mobile Airborne Eglin AFB, FL: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 30-38-19; WL 86-18-28
- (4) MOBILE: White Sands Missile Range, NM: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 32-57-35; WL 106-32-32

Frequency Information

MOBILE: Yuma Proving Grounds, AZ: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 32-55-33; WL 113-45-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.5 GHz	MO	150MQXN	20 W (ERP)	0.000028 %

This authorization effective June 03, 2019 and
will expire 3:00 A.M. EST November 20, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mobile Airborne Quantico VA: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 38-34-49; WL 77-26-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.5 GHz	MO	150MQXN	20 W (ERP)	0.000028 %

MOBILE: Mobile Airborne Eglin AFB, FL: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 30-38-19; WL 86-18-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.5 GHz	MO	150MQXN	20 W (ERP)	0.000028 %

MOBILE: White Sands Missile Range, NM: Airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 32-57-35; WL 106-32-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.2-16.5 GHz	MO	150MQXN	20 W (ERP)	0.000028 %

Special Conditions:

- (1) Due to the frequency being allocated for radiolocation, this experimental station shall not be used for UAS Detect and Avoid (DAA) operations.
- (2) Operations at White Sands Missile Range (WSMR) must be scheduled as a WSMR Range Mission through the assigned Range Sponsor. Final authorization to radiate is contingent upon successful scheduling and de-confliction of both spectrum, and airspace, with other regional operations.
- (3) Operations at the Yuma Proving Grounds locations must be coordinated with the YPG Spectrum Manager (Steven Sparks) at 928-328-7144 prior to any use.
- (4) Frequency use has to be scheduled in the Center Scheduling Enterprise (CSE) prior to use at DoD Gulf Area Frequency Coordinator 96CS.SCXF.GAFC@us.af.mil. Please Reference GAFC 19-449.
- (5) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: adds Special Condition (4).