

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WO9XHH

(Call Sign)

0635-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:

An experimental STA is requested in support of the following DARPA Mobile Force Protection contract, for operation of Fortem low weight, low power prototype radar for counter UAS.

Station Locations

- (1) MOBILE: Mobile Airborne Redstone Arsenal, within 5 km, centered around NL 34-36-17; WL 86-37-43
- (2) MOBILE: Mobile Airborne Huntsville AL, within 2 km, centered around NL 34-44-12; WL 86-41-23
- (3) MOBILE: Mobile Airborne Rogersville AL, within 3 km, centered around NL 34-53-14; WL 87-20-29
- (4) MOBILE: Mobile Airborne Courtland AL, within 3 km, centered around NL 34-40-02; WL 87-21-38
- (5) MOBILE: Mobile Airborne Taft TN, within 5 km, centered around NL 34-59-32; WL 86-38-57
- (6) MOBILE: Mobile Airborne Hurtsboro AL, within 16 km, centered around NL 32-13-17; WL 85-28-18

This authorization effective May 30, 2019 and
will expire 3:00 A.M. EST November 11, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mobile Airborne Redstone Arsenal, within 5 km, centered around NL 34-36-17; WL 86-37-43

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

MOBILE: Mobile Airborne Huntsville AL, within 2 km, centered around NL 34-44-12; WL 86-41-23

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

MOBILE: Mobile Airborne Rogersville AL, within 3 km, centered around NL 34-53-14; WL 87-20-29

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

MOBILE: Mobile Airborne Courtland AL, within 3 km, centered around NL 34-40-02; WL 87-21-38

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

Frequency Information

MOBILE: Mobile Airborne Taft TN, within 5 km, centered around NL 34-59-32; WL 86-38-57

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

MOBILE: Mobile Airborne Hurtsboro AL, within 16 km, centered around NL 32-13-17; WL 85-28-18

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

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) The experimental application shall not be used for Detect and Avoid (DAA) or other aeronautical radionavigation functions.