

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WK2XCW

(Call Sign)

0179-EX-CM-2021

(File Number)

NAME Dynetics, Inc.

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(c & j) of the Commission's Rules

Station Locations

- (1) MOBILE: Ground Temporary Fixed and Mobile Huntsville AL, within 35 km, centered around NL 34-44-12; WL 86-41-23
- (2) MOBILE: Ground Temp Fixed and Mobile Yuma Proving Grounds, within 30 km, centered around NL 33-25-22; WL 114-17-46
- (3) MOBILE: Ground Temporary Fixed and Mobile WSMR, within 30 km, centered around NL 33-43-27; WL 106-28-12
- (4) MOBILE: Ground Temp Fixed & Mobile Dugway Proving Grounds, within 15 km, centered around NL 40-11-43; WL 112-56-24
- (5) MOBILE: Ground Temporary Fixed and Mobile Eglin AFB, within 16 km, centered around NL 30-31-08; WL 86-46-55
- (6) MOBILE: Ground Temp Fixed & Mobile Eglin AFB, within 7 km, centered around NL 30-38-22; WL 86-19-08
- (7) MOBILE: Ground Temp Fixed & Mobile JBSA-Randolph, within 4 km, centered around NL 29-31-48; WL 98-15-43
- (8) MOBILE: Ground Temp Fixed & Mobile Redstone Arsenal, within 11 km, centered around NL 34-41-05; WL 86-41-23

This authorization effective October 15, 2021 and  
will expire 3:00 A.M. EST May 01, 2024

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Ground Temporary Fixed and Mobile Huntsville AL, within 35 km, centered around NL 34-44-12; WL 86-41-23

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

MOBILE: Ground Temp Fixed and Mobile Yuma Proving Grounds, within 30 km, centered around NL 33-25-22; WL 114-17-46

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

MOBILE: Ground Temporary Fixed and Mobile WSMR, within 30 km, centered around NL 33-43-27; WL 106-28-12

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

MOBILE: Ground Temp Fixed & Mobile Dugway Proving Grounds, within 15 km, centered around NL 40-11-43; WL 112-56-24

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

## Frequency Information

MOBILE: Ground Temporary Fixed and Mobile Eglin AFB, within 16 km, centered around NL 30-31-08; WL 86-46-55

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

MOBILE: Ground Temp Fixed & Mobile Eglin AFB, within 7 km, centered around NL 30-38-22; WL 86-19-08

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

MOBILE: Ground Temp Fixed & Mobile JBSA-Randolph, within 4 km, centered around NL 29-31-48; WL 98-15-43

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

MOBILE: Ground Temp Fixed & Mobile Redstone Arsenal, within 11 km, centered around NL 34-41-05; WL 86-41-23

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 9.2-9.9 GHz | MO            | 100MQ3N             | 7.6 kW (ERP)     | 0.015 %                   |

## 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) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

**Special Conditions:**

- (3) The following will be available and will act as "stop buzzers" if any issues regarding interference arise during testing:  
Primary: Andy Evans - (256) 426-1318  
Secondary: Jude Collins - (256) 694-0063
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US Army Contract No. W9124-P-19-9-1001. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) COORDINATION WITH THE YPG SPECTRUM MANAGEMENT OFFICE (SMO) IS MANDATORY AT LEAST 14 CALENDAR DAYS PRIOR TO ANY INTENDED USE OF THIS FREQUENCY ON YUMA PROVING GROUND OR WITHIN ITS RESTRICTED AIRSPACE BY CONTACTING THE YPG SMO AT 928-328-7144.
- (6) License is for demonstration and testing only.
- (7) Operations will not be simultaneous at all locations specified on the subject license.
- (8) A single team will deploy to and set up operations at only one location at a time.
- (9) Prior to activation at White Sands Missile Range, licensee must coordinate with WSMR frequency control, 575-678-1193.
- (10) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: changes stop buzzer information.