

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

EXPERIMENTAL

(Nature of Service)

WK2XTR

(Call Sign)

XC MO

(Class of Station)

0177-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(j & c) of the Commission's Rules

Station Locations

- (1) MOBILE: Yuma Proving Grounds, AZ: airborne max altitude 1000 ft. AGL, within 30 km, centered around NL 33-25-22; WL 114-17-46
- (2) MOBILE: White Sands Missile Rang airborne 1000 ft. AGL, within 30 km, centered around NL 33-43-27; WL 106-28-12
- (3) MOBILE: Dugway Proving Grounds, UT: airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 40-11-43; WL 112-56-24
- (4) MOBILE: Eglin Air Force Base, FL, Maximum altitude 1000 ft. AGL, within 16 km, centered around NL 30-31-08; WL 86-46-55
- (5) MOBILE: Huntsville, AL, Airborne max altitude 404 feet, within 35 km, centered around NL 34-44-12; WL 86-41-23
- (6) MOBILE: Eglin AFB, FL, Airborne max altitude 404 feet, within 7 km, centered around NL 30-38-22; WL 86-19-08
- (7) MOBILE: JBSA, Randolph, TX, Airborne max altitude 404 feet, within 4 km, centered around NL 29-31-48; WL 98-15-43
- (8) MOBILE: Redstone Arsenal, AL, Airborne max altitude 404 feet, within 11 km, centered around NL 34-41-05; WL 86-41-23

This authorization effective September 30, 2021 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Yuma Proving Grounds, AZ: airborne max altitude 1000 ft. AGL, within 30 km, centered around NL 33-25-22; WL 114-17-46

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 Rang airborne 1000 ft. AGL, within 30 km, centered around NL 33-43-27; WL 106-28-12

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

MOBILE: Dugway Proving Grounds, UT: airborne max altitude 1000 ft. AGL, within 15 km, centered around NL 40-11-43; WL 112-56-24

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

MOBILE: Eglin Air Force Base, FL, Maximum altitude 1000 ft. AGL, within 16 km, centered around NL 30-31-08; WL 86-46-55

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

Frequency Information

MOBILE: Huntsville, AL, Airborne max altitude 404 feet, within 35 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: Eglin AFB, FL, Airborne max altitude 404 feet, within 7 km, centered around NL 30-38-22; WL 86-19-08

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

MOBILE: JBSA, Randolph, TX, Airborne max altitude 404 feet, within 4 km, centered around NL 29-31-48; WL 98-15-43

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

MOBILE: Redstone Arsenal, AL, Airborne max altitude 404 feet, within 11 km, centered around NL 34-41-05; 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 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (4) Coordination with the YUMA Spectrum Management Office is mandatory at least 14 calendar days prior to any intended use of this frequency on YPG or within its restricted airspace by contacting the YPG SMO at 928-328-7144.
- (5) Operations must be scheduled as a WSMR range mission, through the WSMR range sponsor. Final authority to radiate is contingent upon successful scheduling and de-confliction of spectrum, with other area operations. Per clearance-prior to activation, the applicant must coordinate with WSMR Frequency Control at 575-678-1193.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army, Contract Number 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.
- (7) Stop Buzzers:
Primary: Andy Evans at (256) 426-1318
Secondary: Jude Collins at (256) 694-0063