

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WJ2XQZ

(Call Sign)

0206-EX-CM-2019

(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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Huntsville, AL, within 2.42 km, centered around NL 34-44-10; WL 86-40-58
- (2) MOBILE: Temporary Fixed Ground Operations Huntsville AL, within 1.6 km, centered around NL 34-38-22; WL 86-47-34

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Huntsville, AL, within 2.42 km, centered around NL 34-44-10; WL 86-40-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
301.3632 MHz	MO	231KD1D	5 W (ERP)	0.3 %
301.5936 MHz	MO	231KD1D	5 W (ERP)	0.3 %
301.824 MHz	MO	231KD1D	5 W (ERP)	0.3 %

This authorization effective September 18, 2019 and
will expire 3:00 A.M. EST September 01, 2020

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COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations, Huntsville, AL, within 2.42 km, centered around NL 34-44-10; WL 86-40-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
302.0544 MHz	MO	231KD1D	5 W (ERP)	0.3 %
321.408 MHz	MO	231KD1D	5 W (ERP)	0.3 %
321.6384 MHz	MO	231KD1D	5 W (ERP)	0.3 %
321.8688 MHz	MO	231KD1D	5 W (ERP)	0.3 %
322.0992 MHz	MO	231KD1D	5 W (ERP)	0.3 %

MOBILE: Temporary Fixed Ground Operations Huntsville AL, within 1.6 km, centered around NL 34-38-22; WL 86-47-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
301.3632 MHz	MO	231KD1D	5 W (ERP)	0.3 %
301.5936 MHz	MO	231KD1D	5 W (ERP)	0.3 %
301.824 MHz	MO	231KD1D	5 W (ERP)	0.3 %
302.0544 MHz	MO	231KD1D	5 W (ERP)	0.3 %

Frequency Information

MOBILE: Temporary Fixed Ground Operations Huntsville AL, within 1.6 km, centered around NL 34-38-22; WL 86-47-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
321.408 MHz	MO	231KD1D	5 W (ERP)	0.3 %
321.6384 MHz	MO	231KD1D	5 W (ERP)	0.3 %
321.8688 MHz	MO	231KD1D	5 W (ERP)	0.3 %
322.0992 MHz	MO	231KD1D	5 W (ERP)	0.3 %

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) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DARPA, HR001118C0071. 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.
- (4) Stop buzzers, Chris Statler (256-503-9283) and Samuel Petersen (573-578-7748).