

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WO9XDB

(Call Sign)

0040-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:

Testing the wireless two-way data link for the Gremlins Air Vehicle prototype UAS.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations Niagara Falls, NY, within 1 km, centered around NL 43-06-07; WL 78-56-19
- (2) MOBILE: Temporary Fixed Ground Operations Lyndonville, NY, within 1 km, centered around NL 43-22-31; WL 78-23-19
- (3) MOBILE: Mobile Airborne Operations Hartland, NY: Max altitude 20,000 ft. AGL, within 64.36 km, centered around NL 43-14-24; WL 78-34-33

Frequency Information

MOBILE: Temporary Fixed Ground Operations Niagara Falls, NY, within 1 km, centered around NL 43-06-07; WL 78-56-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1823 MHz	MO	3M50D2D 7M00D2D	8 W (ERP)	0.5 %
1831 MHz	MO	3M50D2D	8 W (ERP)	0.5 %

This authorization effective March 19, 2019 and
will expire 3:00 A.M. EST September 15, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations Niagara Falls, NY, within 1 km, centered around NL 43-06-07; WL 78-56-19

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1831 MHz	MO	7M00D2D	8 W (ERP)	0.5 %

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1823 MHz	MO	3M50D2D 7M00D2D	800 W (ERP)	0.5 %
1831 MHz	MO	7M00D2D 3M50D2D	800 W (ERP)	0.5 %

MOBILE: Mobile Airborne Operations Hartland, NY: Max altitude 20,000 ft. AGL, within 64.36 km, centered around NL 43-14-24; WL 78-34-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1823 MHz	MO	3M50D2D 7M00D2D	8 W (ERP)	0.5 %
1831 MHz	MO	7M00D2D 3M50D2D	8 W (ERP)	0.5 %

Special Conditions:

- (1) NTIA concurs to the use of only two discrete frequencies, 1823 MHz and 1831 MHz, due to ongoing operations.