

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

EXPERIMENTAL

(Nature of Service)

WM9XGK

(Call Sign)

XT MO

(Class of Station)

2036-EX-ST-2018

(File Number)

NAME Vector Launch 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:

This launch will demonstrate launch capability for the Vector-R B1 and B2 series flights.

Station Locations

(1) MOBILE: Randsburg, CA, within 5 km, centered around NL 35-20-53; WL 117-48-36

Frequency Information

MOBILE: Randsburg, CA, within 5 km, centered around NL 35-20-53; WL 117-48-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2370.5 MHz	MO	1M92G1D	10 W (ERP)	0.0005 %

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) There will only be 3 events (possible) during this time frame and with a maximum operating time of 3 hours.

This authorization effective December 20, 2018 and
will expire 3:00 A.M. EST June 02, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Request IFDS scheduling be required at least 5 working days prior to event via WAFC with CC to AFTRCC Telemetry Coordinator. FCC Table of Allocations (Note US 276) allows for these specific frequencies to be utilized on a Secondary basis for launch support.
- (5) Vector Launch Inc. must coordinate with the Navy and Marine Corp Spectrum Center (NMSC), Mr. Richard Ontiveros, email: Richard.ontiveros1@navy.mil, or phone: (301)225-3824, a minimum of 7-working days prior to any operations to mitigate potential harmful interference to Navy and Marine Corps operations.
- (6) Vector Launch Inc. must also comply with all restrictions levied by the U.S. Naval range operators.
- (7) Vector Launch Inc. must contact NMSC with final planned launch date 7- work days prior to the test flight, Vector Launch Inc. must provide an update 2-days prior to launch, and the day of launch prior to the flight, Vector Launch Inc. must also provide the confirmed stop buzzer contact information prior to the flight.
- (8) Operation is non-interference basis to Flight Test telemetry.
- (9) Operation is subject to prior coordination with AFTRCC.
- (10) Vector Launch is required to contact DoD WAFC (jamie.heaton@navy.mil; email to:jamie.heaton@navy.mil>) at least 3 working days in advance for IFDS scheduling prior to operational use.