

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

EXPERIMENTAL

(Nature of Service)

WN9XEP

(Call Sign)

XT MO

(Class of Station)

1478-EX-ST-2018

(File Number)

NAME Valence Systems and Technology

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:

Perform radio communications experiments pertaining to U.S. DoD maritime operations.

Station Locations

- (1) MOBILE: Shoreline of JEB-Little creek, Norfolk, VA, centered around NL 36-55-34; WL 76-09-30

Frequency Information

MOBILE: Shoreline of JEB-Little creek, Norfolk, VA, centered around NL 36-55-34; WL 76-09-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.1-4 GHz	MO	505MW7D	100 mW (ERP)	0.0001 %

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.

This authorization effective September 11, 2018 and
will expire 3:00 A.M. EST September 14, 2018

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COMMISSION**



Special Conditions:

- (3) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Sub-part Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3-4 GHz band.
- (4) Consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas.
- (5) Valence Systems and Technology be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (6) At least 5 business days prior to operating, Valence Systems and Technology, must notify licensees of earth stations operating in adjacent band above 3700 MHz within 15 kilometers of the locations from which experimental operations will occur. Valence Systems and Technology, must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3700 MHz band.
- (7) Valence Systems and Technology shall ensure that the operation will not cause harmful interference to any existing registered stations above 3700 MHz and notify the registered users in the area.
- (8) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (9) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (10) No automatic renewal for this authorization.
- (11) Valence Systems and Technology must stay above 3100 MHz due the use of 2900-3100 MHz band for maritime radars and RACONS supporting visibility of hazards to navigation during weather events.