

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WL9XCM

(Call Sign)

0466-EX-ST-2017

(File Number)

NAME Virginia Tech - Hume Center

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:

One device operating as a low power position beacon onboard a high altitude balloon.

Station Locations

- (1) MOBILE: Flight level 68000 ft, East of Roswell to Texas-NM border, Roswell, NM
- (2) MOBILE: Flight level 68000 ft, East of Roswell to Texas-NM border, Roswell, NM, within 100 km, centered around NL 33-23-32; WL 103-42-45

Frequency Information

MOBILE: Flight level 68000 ft, East of Roswell to Texas-NM border, Roswell, NM

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.075-434.775 MHz	MO	25K0F1D	224 mW (ERP)	0.001 %

This authorization effective May 15, 2017 and
will expire 3:00 A.M. EST May 26, 2017

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COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Flight level 68000 ft, East of Roswell to Texas-NM border, Roswell, NM, within 100 km, centered around NL 33-23-32; WL 103-42-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.075-434.775 MHz	MO	25K0F1D	1.413 W (ERP)	0.001 %

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) Tester will coordinate their balloon launch with the WSMR DoD Area Frequency coordinator, at least 96 hours prior to launch window, via e-mail to usarmy.wsmr.imcom-central.list.dodaafc@mail.mil.
- (4) At that time, the tester will provide the notional launch window, and a copy of the final FCC license.
- (5) WSMR DoD-AFC, in turn, will schedule the test in their frequency de-confliction database, in order to resolve any spectrum conflicts.