

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

EXPERIMENTAL

(Nature of Service)

WI9XAU

(Call Sign)

XT FX MO

(Class of Station)

1049-EX-ST-2014

(File Number)

NAME Ball Aerospace and Technology Corp.

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:

With this newly developed technology, we will be demonstrating that our antenna system can connect with 4 simultaneous CDL terminals that have azimuthally diverse locations.

Station Locations

- (1) Westminster (JEFFERSON), CO - NL 39-53-42; WL 105-06-29; MOBILE: Westminter, CO, within 3.2 km, centered around NL 39-53-42; WL 105-06-29

Frequency Information

Westminster (JEFFERSON), CO - NL 39-53-42; WL 105-06-29; MOBILE: Westminter, CO, within 3.2 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14.4-15.75 GHz	FX	45M0F2D	100 mW (ERP)	1 %

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) Ball Aerospace must notch out and not transmit in the 15.35 - 15.4 GHz band.

This authorization effective December 10, 2014 and
will expire 3:00 A.M. EST June 02, 2015

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Special Conditions:

- (4) Fixed operations are limited to the following:
 - a. 14.5 - 14.7145 GHz
 - b. 15.1365 - 15.350 GHz
- (5) Mobile operations are limited to the following: 14.7145 - 15.1365 GHz