

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

EXPERIMENTAL

(Nature of Service)

WP9XHD

(Call Sign)

XT FX

(Class of Station)

1895-EX-ST-2019

(File Number)

NAME University of Colorado

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:

The testing should not take longer than 2 weeks, including approximately a week of the continuous run in a standard Dynasonde mode. But the start date of the testing period is not

Station Locations

(1) Boulder (BOULDER), CO - NL 40-00-27; WL 105-15-44

Frequency Information

Boulder (BOULDER), CO - NL 40-00-27; WL 105-15-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-25 MHz	FX	30K0P0N	10 W (ERP)	10 %

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.

This authorization effective October 22, 2019 and
will expire 3:00 A.M. EST November 16, 2019

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Special Conditions:

- (3) University of Colorado performs test measurements that will require transmitting low power pulses within a carrier frequency band spanning 2-25 MHz (excluding prohibited bands, e.g., standard frequency and timing signal).
- (4) University of Colorado must not operate in the following frequency bands:
 - 5900KHz-6200KHz
 - 7200KHz-7450KHz
 - 9400KHz-9900KHz
 - 11600KHz-12100KHz
 - 13570KHz-13870KHz
 - 15100KHz-15800KHz
 - 17480KHz-17900KHz
 - 18900KHz-19020KHz
 - 21450KHz-21850KHz
 - 25670KHz-26100KHz,
- (5) University of Colorado must notch out the following bands in order to protect air traffic operations:
 - 2850-3025 kHz,
 - 3400-3500 kHz,
 - 4650-4700 kHz,
 - 5450-5680 kHz,
 - 6525-6685 kHz,
 - 8815-8965 kHz,
 - 10005-10100 kHz,
 - 11275-11400 kHz,
 - 13260-13360 kHz,
 - 17900-17970 kHz,
 - 21924-22000 kHz.