

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WJ2XOJ

(Call Sign)

0152-EX-CM-2019

(File Number)

NAME University of Colorado

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) Boulder (BOULDER), CO - NL 40-08-18; WL 105-15-00
- (2) MOBILE: NIST Table Mountain Radio Quiet Zone, within 2 km, centered around NL 40-08-18; WL 105-15-00
- (3) MOBILE: NIST Table Mountain Radio Quiet Zone, within 2 km, centered around NL 40-08-18; WL 105-14-23
- (4) Boulder (BOULDER), CO - NL 40-08-18; WL 105-15-00
- (5) Boulder (BOULDER), CO - NL 40-08-18; WL 105-15-00

Frequency Information

Boulder (BOULDER), CO - NL 40-08-18; WL 105-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1800-1880 MHz	FX	20M0F7D	58.2 W (ERP)	

This authorization effective July 03, 2019 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: NIST Table Mountain Radio Quiet Zone, within 2 km, centered around NL 40-08-18; WL 105-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	MO	20M0F7D	3 W (ERP)	

MOBILE: NIST Table Mountain Radio Quiet Zone, within 2 km, centered around NL 40-08-18; WL 105-14-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	MO	20M0F7D	3 W (ERP)	

Boulder (BOULDER), CO - NL 40-08-18; WL 105-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1800-1880 MHz	FX	20M0F7D	5.8 W (ERP)	

Boulder (BOULDER), CO - NL 40-08-18; WL 105-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1800-1880 MHz	FX	20M0F7D	2.2 W (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (4) 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.
- (5) Prior to commencing any operations, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)