

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

EXPERIMENTAL

(Nature of Service)

WJ2XKI

(Call Sign)

XD FX MO

(Class of Station)

0288-EX-CN-2018

(File Number)

NAME CableLabs

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(j) of the Commission's Rules

Station Locations

- (1) Louisville (BOULDER), CO - NL 39-57-24; WL 105-09-36; MOBILE: Louisville, CO, within 5 km, centered around NL 39-57-24; WL 105-09-36
- (2) Brighton (ADAMS), CO - NL 39-57-45; WL 104-52-50; MOBILE: Brighton, CO, within 5 km, centered around NL 39-57-45; WL 104-52-50
- (3) Denver (DENVER), CO - NL 39-43-11; WL 104-57-19; MOBILE: Denver, CO, within 5 km, centered around NL 39-43-11; WL 104-57-19
- (4) Boulder (BOULDER), CO - NL 40-00-26; WL 105-15-51; MOBILE: Boulder, CO, within 5 km, centered around NL 40-00-26; WL 105-15-51

Frequency Information

Louisville (BOULDER), CO - NL 39-57-24; WL 105-09-36; MOBILE: Louisville, CO, within 5 km, centered around NL 39-57-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	40M0D7D	24.3 W (ERP)	0.001 %
3550-3700 MHz	FX	1M00N0N	16 W (ERP)	0.001 %

This authorization effective April 25, 2018 and
will expire 3:00 A.M. EST May 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Louisville (BOULDER), CO - NL 39-57-24; WL 105-09-36; MOBILE: Louisville, CO, within 5 km, centered around NL 39-57-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	10M0D7D	6.1 W (ERP)	0.001 %
3550-3700 MHz	FX	20M0D7D	12.2 W (ERP)	0.001 %
3550-3700 MHz	MO	10M0D7D 20M0D7D 40M0D7D	0.25 mW (ERP)	0.001 %

Brighton (ADAMS), CO - NL 39-57-45; WL 104-52-50; MOBILE: Brighton, CO, within 5 km, centered around NL 39-57-45; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	1M00N0N	16 W (ERP)	0.001 %
3550-3700 MHz	FX	10M0D7D	6.1 W (ERP)	0.001 %
3550-3700 MHz	FX	20M0D7D	12.2 W (ERP)	0.001 %
3550-3700 MHz	FX	40M0D7D	24.3 W (ERP)	0.001 %
3550-3700 MHz	MO	20M0D7D 40M0D7D 10M0D7D	0.25 W (ERP)	0.001 %

Frequency Information

Denver (DENVER), CO - NL 39-43-11; WL 104-57-19; MOBILE: Denver, CO, within 5 km, centered around NL 39-43-11; WL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	1M00N0N	16 W (ERP)	0.001 %
3550-3700 MHz	FX	10M0D7D	6.1 W (ERP)	0.001 %
3550-3700 MHz	FX	20M0D7D	12.2 W (ERP)	0.001 %
3550-3700 MHz	FX	40M0D7D	24.3 W (ERP)	0.001 %
3550-3700 MHz	MO	10M0D7D 20M0D7D 40M0D7D	0.25 W (ERP)	0.001 %

Boulder (BOULDER), CO - NL 40-00-26; WL 105-15-51; MOBILE: Boulder, CO, within 5 km, centered around NL 40-00-26; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	40M0D7D	24.3 W (ERP)	0.001 %
3550-3700 MHz	FX	1M00N0N	16 W (ERP)	0.001 %
3550-3700 MHz	FX	10M0D7D	6.1 W (ERP)	0.001 %

Frequency Information

Boulder (BOULDER), CO - NL 40-00-26; WL 105-15-51; MOBILE: Boulder, CO, within 5 km, centered around NL 40-00-26; V

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3550-3700 MHz	FX	20M0D7D	12.2 W (ERP)	0.001 %
3550-3700 MHz	MO	10M0D7D 20M0D7D 40M0D7D	0.25 W (ERP)	0.001 %

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.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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 3550-3700 MHz band.
- (5) Consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the area.
- (6) The designated point-of-contact information to terminate transmissions if interference occurs is Bao Phommatha at (303) 661-3345.