

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WJ2XKH

(Call Sign)

0154-EX-CR-2020

(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
- (2) Brighton (ADAMS), CO - NL 39-57-45; WL 104-52-49
- (3) Dillon (SUMMIT), CO - NL 39-36-33; WL 105-58-04

Frequency Information

Louisville (BOULDER), CO - NL 39-57-24; WL 105-09-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	FX	10M0D7D	6.3 mW (ERP)	
777-787 MHz	FX	10M0D7D	6.3 mW (ERP)	
1710-1755 MHz	FX	10M0D7D 20M0D7D	6.3 mW (ERP)	
2110-2155 MHz	FX	10M0D7D	6.3 mW (ERP)	

This authorization effective May 01, 2020 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Louisville (BOULDER), CO - NL 39-57-24; WL 105-09-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2155 MHz	FX	20M0D7D	6.3 mW (ERP)	
2496-2690 MHz	FX	10M0D7D 15M0D7D 5M00D7D	6.3 mW (ERP)	
2496-2690 MHz	FX	10M0D7D 20M0D7D	100 mW (ERP)	

Brighton (ADAMS), CO - NL 39-57-45; WL 104-52-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	FX	10M0D7D	6.3 mW (ERP)	
777-787 MHz	FX	10M0D7D	6.3 mW (ERP)	
1710-1755 MHz	FX	10M0D7D 20M0D7D	6.3 mW (ERP)	
2110-2155 MHz	FX	10M0D7D 20M0D7D	6.3 mW (ERP)	
2496-2690 MHz	FX	5M00D7D 10M0D7D	6.3 mW (ERP)	

Frequency Information

Brighton (ADAMS), CO - NL 39-57-45; WL 104-52-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	FX	15M0D7D	6.3 mW (ERP)	
2496-2690 MHz	FX	10M0D7D 20M0D7D	100 mW (ERP)	

Dillon (SUMMIT), CO - NL 39-36-33; WL 105-58-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	FX	10M0D7D	6.3 mW (ERP)	
777-787 MHz	FX	10M0D7D	6.3 mW (ERP)	
1710-1755 MHz	FX	10M0D7D 20M0D7D	6.3 mW (ERP)	
2110-2155 MHz	FX	10M0D7D 20M0D7D	6.3 mW (ERP)	
2496-2690 MHz	FX	5M00D7D 10M0D7D 15M0D7D	6.3 mW (ERP)	
2496-2690 MHz	FX	10M0D7D	100 mW (ERP)	

Frequency Information

Dillon (SUMMIT), CO - NL 39-36-33; WL 105-58-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	FX	20M0D7D	100 mW (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) 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.
- (5) 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.
- (6) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (7) Testing is for Indoors only.
- (8) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (9) Operation is subject to consent of the following within 50 miles of the test area:
 - > 700 MHz licensees (698-758 MHz and 775-788 MHz)
- (10) Coordinate with the affected Fixed Microwave Service licensees prior to operation in 2496-2690 MHz band.