

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

EXPERIMENTAL

(Nature of Service)

WJ9XON

(Call Sign)

XT FX MO

(Class of Station)

1152-EX-ST-2017

(File Number)

NAME CableLabs

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:

Determination of building loss and radio path propagation characteristics in a variety of different environments using both CW and OFDM-modulated waveforms.

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 (BOULDER), 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 (BOULDER), 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 105-05-51

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	10M0D7D	6.1 W (ERP)	0.001 %

This authorization effective October 12, 2017 and
will expire 3:00 A.M. EST April 11, 2018

**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	20M0D7D	12.2 W (ERP)	0.001 %
3550-3700 MHz	FX	40M0D7D	24.3 W (ERP)	0.001 %
3550-3700 MHz	FX	10H0N0N	16 W (ERP)	0.001 %
3550-3700 MHz	MO	10M0D7D 20M0D7D 40M0D7D	0.25 W (ERP)	0.001 %

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

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	FX	40M0D7D	24.3 W (ERP)	0.001 %
3550-3700 MHz	FX	10H0N0N	16 W (ERP)	0.001 %
3550-3700 MHz	MO	10M0D7D	0.25 W (ERP)	0.001 %

Frequency Information

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

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

Denver (BOULDER), 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	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	FX	10H0N0N	16 W (ERP)	0.001 %
3550-3700 MHz	MO	10M0D7D 20M0D7D 40M0D7D	0.25 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	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	FX	10H0N0N	16 W (ERP)	0.001 %
3550-3700 MHz	MO	10M0D7D 20M0D7D 40M0D7D	0.25 W (ERP)	0.001 %

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 be aware that FSS earth stations are licensed above 3700 MHz and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (3) Maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3550-3700 MHz.
- (4) Ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas.
- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.