

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

EXPERIMENTAL

(Nature of Service)

WJ9XON

(Call Sign)

XT FX MO

(Class of Station)

1461-EX-ST-2016

(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:

The STA will allow the determination of building loss and radio path propagation characteristics in a variety of different environments using both CW and OFDM-modulated waveforms, and will

Station Locations

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

Frequency Information

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

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 %

This authorization effective October 10, 2016 and
will expire 3:00 A.M. EST April 10, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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: , within 5 km

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

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

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 %

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

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 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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) Licensee shall maintain 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 3650-3700 MHz band
- (2) Licensee shall ensure that the operations will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the proposed area.