

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WL9XZL

(Call Sign)

1455-EX-ST-2017

(File Number)

NAME Cambridge Broadband Networks Ltd (CBNL)

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:

CBNL will operate a low-level test signal from temporary fixed transmit sites for purposes of assessing the suitability of two-way wireless P2MP operations.

Station Locations

- (1) Englewood, CO - NL 39-32-43; WL 104-51-20
- (2) Englewood (DENVER), CO - NL 39-32-49; WL 104-51-18
- (3) Englewood (DENVER), CO - NL 39-32-47; WL 104-51-17
- (4) Loveland (DENVER), CO - NL 40-25-52; WL 104-59-03
- (5) Loveland (DENVER), CO - NL 40-25-54; WL 104-59-03
- (6) Loveland (DENVER), CO - NL 40-25-54; WL 104-59-04

Frequency Information

Englewood, CO - NL 39-32-43; WL 104-51-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12550-12685 MHz	FX	25M0G1W 25M0D1W	3.9 W (ERP)	0.0015 %

This authorization effective January 29, 2018 and
will expire 3:00 A.M. EST July 30, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Englewood (DENVER), CO - NL 39-32-49; WL 104-51-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12215-12350 MHz	FX	25M0G1W 25M0D1W	60.975 W (ERP)	0.0015 %

Englewood (DENVER), CO - NL 39-32-47; WL 104-51-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12215-12350 MHz	FX	25M0G1W 25M0D1W	60.975 W (ERP)	0.0015 %

Loveland (DENVER), CO - NL 40-25-52; WL 104-59-03

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12550-12685 MHz	FX	25M0G1W 25M0D1W	3.9 W (ERP)	0.0015 %

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Frequency Information

Loveland (DENVER), CO - NL 40-25-54; WL 104-59-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12215-12350 MHz	FX	25M0G1W 25M0D1W	60.975 W (ERP)	0.0015 %

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 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.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) Operations must comply with the coordination agreements reached between Licensee and DIRECTV Enterprises, LLC ("DIRECTV") and EchoStar Broadcasting Holding Corporation.
- (5) The operating power must not exceed 14 dBm/25 MHz EIRP (AP) and 17 dBm/25 MHz (RT)
- (6) The stop buzzer contact for this project is Andrew Crisp, Phone: 0044(0)1223703000 Email: acrisp@cbnl.com.
- (7) 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.