

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WO9XXZ

(Call Sign)

1216-EX-ST-2019

(File Number)

NAME Cambium Networks

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:

By this application Cambium networks seeks an STA to demonstrate prototype hardware and software under development. Testing Frame configuration.

Station Locations

- (1) Rolling Meadows (COOK), IL - NL 42-03-12; WL 88-01-33; MOBILE: Rolling Meadows, IL, within 20 km, centered around NL 42-03-12; WL 88-01-33
- (2) Rolling Meadows, IL - NL 42-03-12; WL 88-01-33; MOBILE: Rolling Meadows, IL, within 20 km, centered around NL 42-03-12; WL 88-01-33
- (3) MOBILE: Rolling Meadows, IL, within 20 km, centered around NL 42-03-12; WL 88-01-33
- (4) MOBILE: Rolling Meadows, IL, within 20 km, centered around NL 42-03-12; WL 88-01-33

Frequency Information

Rolling Meadows (COOK), IL - NL 42-03-12; WL 88-01-33; MOBILE: Rolling Meadows, IL, within 20 km, centered around NL .

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2650 MHz	FX	18M0X2D 18M0X2D	100 W (ERP)	4.85E-6 %

This authorization effective July 24, 2018 and
will expire 3:00 A.M. EST January 16, 2020

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Special Conditions:

- (1) Operation is subject to prior coordination with 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.

Special Conditions:

- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation in 2496-2500 MHz band.
- (6) The stop buzzer contact for this project is Steve Payne
Phone: 224-392-5930
Email: steve.payne@cambiumnetworks.com
- (7) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (8) Cambium Networks must lower the upper band limit to 2650 MHz due to prior interference issues with Air Traffic operations near the requested location. The adjusted band should be 2496 – 2650 MHz.
- (9) 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.