

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

EXPERIMENTAL

(Nature of Service)

WN9XSQ

(Call Sign)

XT FX

(Class of Station)

1971-EX-ST-2018

(File Number)

NAME CCO Fiberlink, LLC

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:

These experiments will evaluate the use of 3.7-4.2 GHz spectrum for 5G waveforms and the impact on satellite receivers. The proposed operations will advance Charters understanding of

Station Locations

- (1) Bowling Green (HARDEE), FL - NL 27-38-23; WL 81-49-42
- (2) Lake Wales (POLK), FL - NL 27-50-34; WL 81-26-58

Frequency Information

Bowling Green (HARDEE), FL - NL 27-38-23; WL 81-49-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3700-4200 MHz	FX	100MX9W	121.6 W (ERP)	0.001 %

This authorization effective December 12, 2018 and
will expire 3:00 A.M. EST June 11, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The licensee coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR.Part 101.103(d) prior to operation in 3700-4200 MHz band.
- (4) 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.
- (5) Prior to operating, CCO Fiberlink, LLC, must notify licensees of FSS earth stations operating the 3700-4200 MHz within 15 kilometers' radius of the locations from which experimental operations will occur. Furthermore, CCO Fiberlink, LLC, must notify the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, antenna patterns, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the band 3700-4200 MHz band.
- (6) Licensee shall avoid pointing the transmit main beam antenna gain boresight above the horizon to protect satellite operations.