

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WL2XRS

(Call Sign)

XT FX MO

(Class of Station)

0290-EX-CN-2021

(File Number)

NAME AURA Network Systems OpCo, LLC

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(J) of the Commission's Rules

Station Locations

- (1) Mt. Hamilton (SANTA CLARA), CA - NL 37-21-33; WL 121-45-26; MOBILE: , within 80 km, centered around NL 37-21-33; WL 121-45-26

Frequency Information

Mt. Hamilton (SANTA CLARA), CA - NL 37-21-33; WL 121-45-26; MOBILE: , within 80 km, centered around NL 37-21-33; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
454.675-454.975 MHz	FX	320KW1D	50 W (ERP)	0.0005 %
459.675-459.975 MHz	MO	320KW1D	4 W (ERP)	0.0005 %

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.

This authorization effective April 27, 2021 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) The stop buzzer contact information is Michael Gagne at (240) 508-6220, mgagne@auranetworksystems.com
- (5) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - a. Mobile Service licensees in 454 MHz/459 MHz
 - b. General Aviation Air-Ground Service in 454 MHz/459 MHz