

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WL2XLG

(Call Sign)

1058-EX-CN-2020

(File Number)

NAME Liteye Systems Inc

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(c) of the Commission's Rules

Station Locations

- (1) Briggsdale (WELD), CO - NL 40-35-44; WL 104-23-37
- (2) Briggsdale (WELD), CO - NL 40-35-44; WL 104-23-37; MOBILE: , within 5 km, centered around NL 40-35-44; WL 104-23-37

Frequency Information

Briggsdale (WELD), CO - NL 40-35-44; WL 104-23-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.7-17.2 GHz	FX	26M0Q3N	562 W (ERP)	

Briggsdale (WELD), CO - NL 40-35-44; WL 104-23-37; MOBILE: , within 5 km, centered around NL 40-35-44; WL 104-23-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15.7-17.2 GHz	FX	26M0M0F	562 W (ERP)	

This authorization effective February 16, 2021 and
will expire 3:00 A.M. EST March 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The Communications Act of 1934 Section 333 - prohibits willful or malicious interference (jamming and electronic attacks) with the radio communications of any station licensed or authorized under the Act or operated by the U.S. Government.
- (5) The designated point-of-contacts to terminate transmissions if interference occurs are: Tom Scott at (303) 324-0689, and Roy Crosthwaite at (303) 437-6125.
- (6) Liteye Systems Inc. must sector blank transmissions in the direction of Denver International Airport (190 to 200 degrees reference true North). Concurrence is for a one-time test at this particular location.
- (7) This concurrence is not a guarantee that the FAA can support this development/testing in the future or at other locations in the 15.7 to 16.2 GHz band. Liteye Systems Inc. should be aware that 15.7 to 16.2 GHz is used by Automated Surface Detection (ASD) systems in airports.
- (8) The FAA does not concur with the radar mounted on a moving vehicle.
- (9) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8730-20-F-0133. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.