

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

EXPERIMENTAL

(Nature of Service)

WJ2XGY

(Call Sign)

XC FX MO

(Class of Station)

0013-EX-CN-2018

(File Number)

NAME LGS Innovations 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(c) of the Commission's Rules

Station Locations

- (1) Raleigh (WAKE), NC - NL 35-43-57; WL 78-38-41
- (2) MOBILE: Raleigh In a 8 KM radius of the above address., within 8 km, centered around NL 35-43-57; WL 78-38-51

Frequency Information

Raleigh (WAKE), NC - NL 35-43-57; WL 78-38-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4510 MHz	FX	10M0W7D	20 W (ERP)	
4840 MHz	FX	10M0W7D	20 W (ERP)	

This authorization effective February 22, 2018 and
will expire 3:00 A.M. EST March 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Raleigh In a 8 KM radius of the above address., within 8 km, centered around NL 35-43-57; WL 78-38-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2205 MHz	MO	8M00W7D	20 W (ERP)	
2295 MHz	MO	8M00W7D	20 W (ERP)	

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) Prior to the start of operations, LGS Innovations must coordinate with the USN-Mid-Atlantic Frequency Coordinator:
USN-Mid-Atlantic Area Frequency Coordinator
Naval Air Warfare Center Aircraft Division Code 5.2.2.2, Unit 4,
Bldg. 2118 Atlantic Test Ranges
23013 Cedar Point Road
Patuxent River, MD 20670-1883
Office: midlantaafc_paxriver@navy.mil
Mr. Scott Hoschar, Head
Email: scott.hoschar@navy.mil
COM: 301-342-9549

Mr. Mikel R. Ryan
Email: mikel.ryan@navy.mil
COM: 301-342-1532

Mr. Robert Goddard
Email: robert.n.goddard@navy.mil
COM: 301-342-1194
- (4) 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 DJF-16-1800-PR-0013522. 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.