

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

EXPERIMENTAL

(Nature of Service)

WK9XWJ

(Call Sign)

XT FX MO

(Class of Station)

0091-EX-ST-2017

(File Number)

NAME LGS Innovations 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:

To evaluate IP mesh radio equipment and associated software designed to support wireless video communications capabilities and functionalities.

Station Locations

- (1) Washington (DIST OF COLUMBIA), DC - NL 38-56-24; WL 77-04-53
- (2) MOBILE: Washington, DC. In a 8 KM radius of the above address., within 8 km, centered around NL 38-56-24; WL 77-04-53

Frequency Information

Washington (DIST OF COLUMBIA), DC - NL 38-56-24; WL 77-04-53

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 April 01, 2017 and
will expire 3:00 A.M. EST October 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Washington, DC. In a 8 KM radius of the above address., within 8 km, centered around NL 38-56-24; WL 77-04-53

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) All operations granted on an experimental basis shall be on an unprotected, non-interference basis to NASA operations at Blossom Point, Maryland.
- (4) All operations shall be coordinated with NASA Goddard Space Flight Center (GSFC) Spectrum Manager, Scott Galbraith at 301.286.5089, VINCENT.S.GALBRAITH@NASA.GOV, at least three days prior to operations.
- (5) 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
- (6) 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.