

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

EXPERIMENTAL

(Nature of Service)

WK9XFP

(Call Sign)

XT MO

(Class of Station)

1139-EX-ST-2016

(File Number)

NAME Flying Grounds, Inc.

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:

Amateur RC model quadcopter aircraft flying and racing using air to ground 5.8 GHz video transmission systems.

Station Locations

- (1) MOBILE: Governors Island, New York City, NY, within 0.5 km, centered around NL 40-41-15; WL 74-01-18

Frequency Information

MOBILE: Governors Island, New York City, NY, within 0.5 km, centered around NL 40-41-15; WL 74-01-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5473-5917 MHz	MO	444MG8D	0.72 W (ERP)	
5473-5917 MHz	MO	444MG8D	2.44 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.

This authorization effective August 04, 2016 and
will expire 3:00 A.M. EST August 09, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) Flying Grounds must notch or not utilize the 5600-5650 MHz band to protect FAA operations in the area.
- (4) Transportation concurs, but notes that the 5850-5925 MHz band will become increasingly difficult for secondary users over the next few years so alternatives will need to be found if users desire FPV functionality. New York being one where DSRC (5850-5925 MHz) will be implemented.
- (5) New York City will install Vehicle to Vehicle (V2V) technology in 10,000 city-owned vehicles; including cars, buses, and limousines, that frequently travel in Midtown Manhattan, as well as Vehicle to Infrastructure (V2I) technology throughout Midtown. This includes upgrading traffic signals with V2I technology along avenues between 14th Street and 66th Street in Manhattan and throughout Brooklyn. Additionally, roadside units will be equipped with connected vehicle technology along the FDR Drive between 50th Street and 90th Street.
- (6) If interested, more can be found at:
http://www.its.dot.gov/press/2015/ngv_tech_announcement.htm