

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

EXPERIMENTAL

(Nature of Service)

WL9XVW

(Call Sign)

XT MO

(Class of Station)

1483-EX-ST-2019

(File Number)

NAME The Drone Racing League

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:

Communications during live and post-produced drone racing events.

Station Locations

- (1) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (2) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (3) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (4) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (5) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (6) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (7) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (8) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (9) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (10) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (11) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (12) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58
- (13) MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST September 15, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
800-805.25 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
805.25-807.25 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
807.25-809.25 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
809.25-811.25 MHz	MO	500KM1D	1 W (ERP)	0.03 %

Frequency Information

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
811.25-813.25 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
820.25-824 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824.25-826.25 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
826.25-828.25 MHz	MO	500KM1D	1 W (ERP)	0.03 %

Frequency Information

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
828.25-830 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
788-791 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
791-794 MHz	MO	500KM1D	1 W (ERP)	0.03 %

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
794-797 MHz	MO	500KM1D	1 W (ERP)	0.03 %

Frequency Information

MOBILE: Phoenix, AZ, within 1 km, centered around NL 33-26-45; WL 112-03-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
797-800 MHz	MO	500KM1D	1 W (ERP)	0.03 %

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 the experimental devices will be under the control of The Drone Racing League.
- (4) Airborne use of the Cellular frequencies (824-849 MHz/869-894 MHz) is prohibited.
- (5) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
SMR licensees (809-824 MHz/854-869 MHz)
B/ILT licensees (809-824 MHz/854-869 MHz)
Cellular licensees (824-849 MHz/869-894 MHz)
- (6) Stop buzzer contact is Allende Cornejo, The Drone Racing League at (919) 597-0892, or email: allende@thedroneracingleague.com