

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

EXPERIMENTAL

(Nature of Service)

WL9XVW

(Call Sign)

XT MO

(Class of Station)

0352-EX-ST-2018

(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: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05
- (2) MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05
- (3) MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05
- (4) MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05
- (5) MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05
- (6) MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05

This authorization effective March 18, 2018 and
will expire 3:00 A.M. EST March 28, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3920-3940 MHz	MO	11M0FXF	1 W (ERP)	0.03 %

MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4020-4040 MHz	MO	11M0FXF	1 W (ERP)	0.03 %

MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4080-4100 MHz	MO	11M0FXF	1 W (ERP)	0.03 %

MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4160-4180 MHz	MO	11M0FXF	1 W (ERP)	0.03 %

Frequency Information

MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4180-4200 MHz	MO	11M0FXF	1 W (ERP)	0.03 %

MOBILE: Biosphere 2, Oracle, AZ, within 1 km, centered around NL 32-34-42; WL 110-51-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3900-3920 MHz	MO	11M0FXF	1 W (ERP)	0.03 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (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) At least 5 business days prior to operating, The Drone Racing League, must notify licensees of earth stations operating adjacent band above 3700 MHz within 10 kilometers of the locations from which experimental operations will occur. The Drone Racing League, must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3700 MHz band.
- (4) All the experimental devices will be under the control of The Drone Racing League.
- (5) Stop buzzer contact is Nate Ferris, The Drone Racing League at (763) 464-2661, or email: nate@thedroneracingleague.com.