

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

EXPERIMENTAL
(Nature of Service)

XD FX MO
(Class of Station)

WJ2XKC
(Call Sign)

0236-EX-CN-2018
(File Number)

NAME Kratos Unmanned Aerial Systems, Inc.

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(j) of the Commission's Rules

Station Locations

- (1) McClellan, CA - NL 38-39-21; WL 121-23-31; MOBILE: Outside the building on a UAV at 8 feet, within 1 km, centered around NL 38-39-21; WL 121-23-31
- (2) McClellan (SACRAMENTO), CA - NL 38-39-21; WL 121-23-31
- (3) MOBILE: McClellan, VA, within 1 km, centered around NL 38-39-21; WL 121-23-31

Frequency Information

McClellan, CA - NL 38-39-21; WL 121-23-31; MOBILE: Outside the building on a UAV at 8 feet, within 1 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
433.75-435.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
436.75-437.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
437.25-437.75 MHz	MO	20K0M1D	1 W (ERP)	0.002 %

This authorization effective June 01, 2018 and
will expire 3:00 A.M. EST June 01, 2020

FEDERAL
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COMMISSION



Frequency Information

McClellan, CA - NL 38-39-21; WL 121-23-31; MOBILE: Outside the building on a UAV at 8 feet, within 1 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
437.75-438.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
438.75-439.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
439.25-439.75 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
441.75-442.25 MHz	FX	20K0M1D	1 W (ERP)	0.002 %
441.75-442.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
442.25-443 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
442.75-443.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
444.25-444.75 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
444.75-445.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
446.75-447.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %

Frequency Information

McClellan, CA - NL 38-39-21; WL 121-23-31; MOBILE: Outside the building on a UAV at 8 feet, within 1 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
448.25-448.75 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
448.75-449.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
449.25-449.75 MHz	MO	20K0M1D	1 W (ERP)	0.002 %
449.75-450.25 MHz	MO	20K0M1D	1 W (ERP)	0.002 %

McClellan (SACRAMENTO), CA - NL 38-39-21; WL 121-23-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420.25-421.75 MHz	FX	75K0F2D	1 W (ERP)	0.002 %
424.25-425.75 MHz	FX	75K0F2D	1 W (ERP)	0.002 %
427.25-428.75 MHz	FX	75K0F2D	1 W (ERP)	0.002 %

Frequency Information

MOBILE: McClellan, VA, within 1 km, centered around NL 38-39-21; WL 121-23-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2292.5-2307.5 MHz	MO	15M0F1D	10 W (ERP)	0.002 %
2294.5-2309.5 MHz	MO	15M0F1D	10 W (ERP)	0.002 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers frequency coordinator in the requested area prior to operation in 449.75-450.25 MHz band.
- (6) Operation is subject to consent of the following within 50 miles of the test area:
*WCS licensees (2305-2320 MHz/2345-2360 MHz)
- (7) Operation is not permitted in 2289.5-2304.5 MHz band.