

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

EXPERIMENTAL

(Nature of Service)

WP9XMN

(Call Sign)

XT FX MO

(Class of Station)

1897-EX-ST-2019

(File Number)

NAME Flightline Aerospace

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:

Telemetry data measurements and video link quality analysis of remote high altitude camera and platform control performance.

Station Locations

- (1) Jeffersontown (JEFFERSON), KY - NL 38-12-53; WL 85-31-52
- (2) Knoxville (MARION), IA - NL 41-17-57; WL 93-06-38
- (3) Springfield (SANGAMON), IL - NL 39-45-52; WL 89-37-53
- (4) Austin (MOWER), MN - NL 43-40-48; WL 92-58-49
- (5) Sheboygan (SHEBOYGAN), WI - NL 43-45-29; WL 87-44-17
- (6) MOBILE: Alt 65k' AGL about Austin, MN, within 241.4 km, centered around NL 43-40-48; WL 92-58-49
- (7) MOBILE: Alt 65k' AGL about Springfield, IL, within 241.4 km, centered around NL 39-45-52; WL 89-37-53
- (8) MOBILE: Alt 65k' AGL about Knoxville, IA, within 241.4 km, centered around NL 41-17-57; WL 93-06-38
- (9) MOBILE: Alt 65k' AGL about Jeffersontown, KY, within 241.4 km, centered around NL 38-12-53; WL 85-31-52
- (10) MOBILE: Alt 65k' AGL about Sheboygan, WI, within 241.4 km, centered around NL 43-45-29; WL 87-44-17

This authorization effective October 25, 2019 and
will expire 3:00 A.M. EST November 16, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Jeffersontown (JEFFERSON), KY - NL 38-12-53; WL 85-31-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4500 MHz	FX	32M4G1D	7.79 kW (ERP)	
4800-4900 MHz	FX	32M4G1D	7.79 kW (ERP)	

Knoxville (MARION), IA - NL 41-17-57; WL 93-06-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4500 MHz	FX	32M4G1D	7.79 kW (ERP)	
4800-4900 MHz	FX	32M4G1D	7.79 kW (ERP)	

Springfield (SANGAMON), IL - NL 39-45-52; WL 89-37-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4500 MHz	FX	32M4G1D	7.79 kW (ERP)	
4800-4900 MHz	FX	32M4G1D	7.79 kW (ERP)	

Frequency Information

Austin (MOWER), MN - NL 43-40-48; WL 92-58-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4500 MHz	FX	32M4G1D	7.79 kW (ERP)	
4800-4900 MHz	FX	32M4G1D	7.79 kW (ERP)	

Sheboygan (SHEBOYGAN), WI - NL 43-45-29; WL 87-44-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4500 MHz	FX	32M4G1D	7.79 kW (ERP)	
4800-4900 MHz	FX	32M4G1D	7.79 kW (ERP)	

MOBILE: Alt 65k' AGL about Austin, MN, within 241.4 km, centered around NL 43-40-48; WL 92-58-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221-2269 MHz	MO	32M4G1D	20 W (ERP)	

MOBILE: Alt 65k' AGL about Knoxville, IA, within 241.4 km, centered around NL 41-17-57; WL 93-06-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221-2269 MHz	MO	32M4G1D	20 W (ERP)	

Frequency Information

MOBILE: Alt 65k' AGL about Jeffersontown, KY, within 241.4 km, centered around NL 38-12-53; WL 85-31-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221-2269 MHz	MO	32M4G1D	20 W (ERP)	

MOBILE: Alt 65k' AGL about Sheboygan, WI, within 241.4 km, centered around NL 43-45-29; WL 87-44-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221-2269 MHz	MO	32M4G1D	20 W (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Flightline Aerospace may not operate in the 2200 - 2220 nor the 2270 - 2279 MHz bands at all locations in order to protect ongoing operations.
- (4) Flightline Aerospace may not operate in the 2200 - 2279 band at the Springfield, IL location in order to protect ongoing operations.
- (5) Stop Buzzer, Scott Gillies at 310-463-8035.