

January 22, 2020

In re Application of

Wildflower International
1500 South St. Francis Drive
Santa Fe, New Mexico 87505

To operate in the 1030-1090MHz, 2200-2290MHz and the 2400-2490MHz Telemetry Bands in White Sands, New Mexico.

ATTN.: Microwave Branch

Wildflower International hereby requests Special Temporary Authority (STA) to operate within the 1030--1090MHz, 2200-2290MHz and the 2400-2490MHz telemetry bands pursuant to Section 21.25 of the Commission's Rules. Wildflower International requests that the Commission grant it temporary authority to operate on the frequencies centered at 2250MHz, 2270MHz, 2410MHz and 2430MHz with a 20MHz bandwidth from March 23, 2020 through July 23, 2020 with intermittent usage. Additionally, Wildflower International requests that the Commission grant it temporary authority to operate on the frequencies centered at 1030MHz and 1090MHz with a 14MHz bandwidth from March 23, 2020 through July 23, 2020 with intermittent usage. As explained below, Wildflower International is filing an STA request to demonstrate their Unmanned Aerial System for the Mid-Endurance Unmanned Aircraft System (MEUAS IV) Capabilities Demonstration at White Sands Missile Range in New Mexico. Wildflower International submits that there are extraordinary circumstances warranting a grant of the STA request.

Wildflower International has been invited to showcase their UAS technologies at the Mid-Endurance Unmanned Aircraft System (MEUAS IV) Capabilities Demonstration at White Sands Missile Range in New Mexico to present documentation for application for governmental contracts. Due to the extreme frequency congestion in the area, Wildflower International requests the use of this channel.

Wildflower International certifies that the operation of the requested channel for the purposes specified herein will not cause interference to any established stations.

Grant of the instant request for STA for 1GH, 2.2GHz and the 2.4GHz Bands would serve the public interest by enabling Wildflower International to demonstrate their UAS technology in an aerial exercise over New Mexico for application for governmental contracts. Wildflower International is in the process of obtaining the consent of the relevant frequency coordinators for this project.

In accordance with Section 74.633 of the Commission's Rules, the following is provided:

Applicants Name:	Wildflower International
Address:	1500 South St. Francis Drive Santa Fe, New Mexico 87505
Type and Manufacturer Of Equipment:	Silvus Technologies, Inc. Streamcaster SC4400/4200
Power Output:	8W
ERP:	32W
Emission:	20M00D7W
Frequency:	2250.0MHz @32W AERIAL 2270.0MHz @32W AERIAL

2410.0MHz @32W **AERIAL**
2430.0MHz @32W **AERIAL**

Antenna Height: **UNMANNED DRONE @ OR BELOW 5000' AGL**

Antenna: 3dB Omni

Antenna Gain: 3dBi

Type and Manufacturer
Of Equipment: Sagetech MXS-NC
Transponder Class A2

Power Output: 15W

ERP: **15W**

Emission: 14M0M1D

Frequency: 1030.0MHz @15W **AERIAL**
1090.0MHz @15W **AERIAL**

Area of Operation: 60km

Coordinates: N 32 59 29.6
W 106 24 43.5

Antenna Height: **UNMANNED DRONE @ OR BELOW 5000' AGL**

Antenna: 5dB Omni

Antenna Gain: 5dBi

Dates of Operation: March 23, 2020 – July 23, 2020
(Intermittent Usage during these days)

Wildflower International requests an STA to operate on the above-referenced frequency for a period not to exceed six months. No application for regular authorization will subsequently be filed.

Wildflower International certifies that no party to the application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C § 853(a).

Should you have any questions regarding this matter, please contact, John Winch, by telephone 626 676 1470, or E-mail winchworks@me.com.

Respectfully submitted,

By: John Winch
Frequency Coordinator