

November 14, 2019

In re Application of

Courtney Aviation, Inc.
10747 Airport Road
Columbia, California 95310

To operate within the 2360-2390MHz Telemetry Band above Los Alamitos, California.

ATTN.: Microwave Branch

Courtney Aviation Inc. hereby requests Special Temporary Authority (STA) to operate within the 2360-2390MHz telemetry band pursuant to Section 21.25 of the Commission's Rules. Courtney Aviation Inc. requests that the Commission grant it temporary authority to operate on the frequency centered on 2395MHz with 10MHz bandwidth from December 15, 2019 through June 15, 2020 with intermittent usage. As explained below, Courtney Aviation Inc. is filing an STA request to demonstrate their Fire Suppression radio network platform for the State of California. Courtney Aviation Inc. submits that there are extraordinary circumstances warranting a grant of the STA request.

The State of California has invited Courtney Aviation Inc. to demonstrate their aerial radio network platform in congested and contested environments for integration into a pilot program that supports fire suppression management staff in Southern California. Due to the extreme frequency congestion within the Southern California Area, Courtney Aviation Inc. requests the use of these channels.

Courtney Aviation Inc. 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 the 2.3GHz band would serve the public interest by enabling Courtney Aviation Inc. to demonstrate the reliability of their aerial network as it relates to transmitting and receiving consistent data remotely. The proposed service would enable the demonstration of the Streamcaster SC3200 / SC3500 / SC3800 / SC4200 / SC4400 transceiver / antenna array in a manned aerial exercise.

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

Applicants Name: Courtney Aviation, Inc.
Address: 10747 Airport Road
Columbia, California 95310

Type and Manufacturer Of Equipment: Silvus Technologies, Inc.
Streamcaster SC3200 / SC3500 / SC3800 / SC4200 / SC4400

Power Output: 1W

ERP: 8W

Emission: 10M00D7W

Frequency: 2395.0MHz

Area of Operation: 280Km

Coordinates: 33 47 38.51 N
118 03 26.13 W

Antenna Height: **MANNED AIRCRAFT@ OR BELOW 12000' AGL**

Antenna: 3dBi Haag Farr Hemispherical
Antenna Gain: 3dBi
Dates of Operation: December 15, 2019 – June 15, 2020
(Intermittent Usage during these days)

Courtney Aviation Inc. 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.

Courtney Aviation Inc. 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.

Respectfully submitted,

By: John Winch
Frequency Coordinator