

February 16, 2020

In re Application of

Silvus Technologies, Inc.
10990 Wilshire BLVD., Suite 1500
Los Angeles, California 90024

To operate in the 2360-2390MHz Telemetry Band in Los Angeles, California.

ATTN.: Microwave Branch

Silvus Technologies, 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. Silvus Technologies, Inc. requests that the Commission grant it temporary authority to operate on the frequency centered at 2380MHz with a 20MHz bandwidth from March 16, 2020 through March 31, 2020 with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to test developing features for new microwave technologies in a MANET / MIMO configuration centered around their office in Los Angeles, California. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Silvus Technologies, Inc., is developing an upgraded feature set for their new microwave emission technologies with relation to propagation, data throughput, vehicle integration and impact utilizing an Obscura IP Camera as a sensor mounted to a DJI Matrice drone in a Mobile Ad-hoc Network. Due to the extreme frequency congestion in Southern California, Silvus Technologies, Inc., requests the use of this channel.

Silvus Technologies, 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 Silvus Technologies, Inc., to demonstrate the reliability of their emission scheme and feature set as it relates to the Obscura IP Camera in a wireless, aerial, MANET / MIMO configuration. The proposed service would enable demonstration of the Streamcaster SC4840 transceiver / antenna array in an aerial exercise. Silvus Technologies, Inc is in the process of obtaining the consent of the relevant frequency coordinators for this project, including AFTRCC. AFTRCC has indicated its intent to forward the results of the coordination to the Commission.

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

Applicants Name:	Silvus Technologies, Inc.
Address:	10990 Wilshire BLVD., Suite 1500 Los Angeles, California 90024
Type and Manufacturer Of Equipment:	Streamcaster SC4840
Power Output:	8W
ERP:	16W
Emission:	20M00D7W
Frequency:	2380.0MHz, 20M00D7W @ 16W AERIAL
Area of Operation:	16Km

Coordinates: N 34 03 27.16
W 118 26 49.61

Antenna Height: **UNMANNED DRONE @ OR BELOW 200' AGL**

Antenna: Omni

Antenna Gain: 2dBi

Dates of Operation: March 16, 2020 – March 31, 2020
(Intermittent Usage during these days)

Silvus Technologies, 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.

Silvus Technologies, 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

cc: Wayne Morris, AFTRCC