

January 22, 2021

In re Application of

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

To operate within the 4400-4940MHz Telemetry Band in Lancaster, California.

ATTN.: Microwave Branch

Silvus Technologies, Inc. hereby requests Special Temporary Authority (STA) to operate within the 4400-4940MHz 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 on 4410MHz with 20MHz bandwidth from February 21, 2021 through February 28, 2021 with intermittent usage. As explained below, Silvus Technologies, Inc. is filing an STA request to experiment with new features incorporated into their radio software protocol. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Silvus Technologies, Inc., is in the process of updating the software protocol within their radio feature set to enhance operationality as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion within the Southern California Area, 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 4.4GHz band would serve the public interest by enabling Silvus Technologies, Inc., to experiment with the reliability of their emission scheme as it relates to transmitting and receiving consistent data remotely. The proposed service would enable the demonstration of the Streamcaster SC4200 / SC4400 transceiver / antenna array in a manned terrestrial exercise.

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 SC4200 / SC4400

Power Output: 8W

ERP: **13W**

Emission: 20M00D7W

Frequency: 4410.0MHz

Area of Operation: 20Km

Coordinates: 34 40 28.72 N
118 19 27 W

Antenna Height: **6' AGL**

Antenna: Vertical and Horizontal

Antenna Gain: 2dBi

Dates of Operation: February 21, 2021 – February 28, 2021
(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