

November 04, 2024

In re Application of

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

To operate in the 1200-1400MHz, 2360-2395MHz and 4400-4940 Telemetry Bands in Lancaster, California.

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authorization to operate within the 1200-1400MHz, 2360-2395MHz and 4400-4940MHz telemetry bands 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 frequencies centered at 1390MHz, 2380MHz, 4500MHz and 4600MHz, with a 20MHz bandwidth from March 05, 2025 through April 05, 2025 with intermittent usage. If the 4500MHz or 4600MHz frequency range is unavailable, any 20MHz channel within the bands 4400-4940MHz will suffice. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate antennas in development for a potential United States Army contract. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Silvus Technologies, Inc., has been invited to demonstrate developing antenna technology for the United States Army for a potential contract. Due to the extreme frequency congestion in Southern California, coupled with the added congestion from traditional Television and News coverage of area events, Silvus Technologies, Inc., requests the use of these channels.

Silvus Technologies, Inc., certifies that the operation of the requested channels for the purposes specified herein will not cause interference to any established stations.

Grant of the instant request for STA for the 1.3GHz, 2.3GHz bands would serve the public interest by enabling Silvus Technologies, Inc., to demonstrate the innovation being embraced with regard to antenna technology in a MIMO / MANET environment. The proposed service would enable experimentation with the Streamcaster SC4400 series radios in a terrestrial exercise. Silvus Technologies, Inc is in the process of obtaining the consent of the relevant frequency coordinators for this project, including AFTRCC and the FAA. AFTRCC and the FAA have indicated their 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 SC4480

Power Output: 2W

ERP: **20W TERRESTRIAL**

Emission: 20M00D7W

Frequency: **1390.0MHZ, 20M00D7W @ 20W TERRESTRIAL**
2380.0MHZ, 20M00D7W @ 20W TERRESTRIAL

4500.0MHZ, 20M00D7W @ 20W TERRESTRIAL
4600.0MHZ, 20M00D7W @ 20W TERRESTRIAL

Area of Operation: 100KM

Coordinates: N 34 42 47.01
W 118 38 32.07

Antenna Height: **15' AGL**

Antenna: 45 Slant

Antenna Gain: 15dBi

Dates of Operation: March 05,2025 – April 05, 2025
(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