

March 08, 2022

In re Application of

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

To operate within the 2200-2290MHz, 2360-2390MHz & 4400-4940Mhz Telemetry Bands in Denver, Colorado.

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authority (STA) to operate within the 2200-2290MHz, 2360-2390MHz 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 2210MHz, 2380MHz and 4810MHz with a 20MHz bandwidth from May 07, 2023 ,through May 12, 2023, with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate new microwave technologies in a MIMO / MANET configuration at the Association of Unmanned Vehicle Systems International Xponential trade show at the Denver Convention Center in Denver, Colorado.. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

The AUVSI Xponential 2023 convention has invited Silvus Technologies, Inc., to demonstrate MIMO / MANET microwave emission technologies with regard to data coherency, propagation, data throughput, vehicle integration and impact utilizing an Obscura IP Camera as a sensor. Due to the extreme frequency congestion in the Denver area, 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 2.2GHz, 2.3GHz and the 4.5GHz bands would serve the public interest by enabling Silvus Technologies, Inc., to demonstrate the reliability of their emission scheme as it relates to the Obscura IP Camera in a wireless MIMO / MANET configuration. The proposed service would enable demonstration of the Streamcaster SC4400 transceiver / antenna array 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. 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 SC4400

Power Output: 8W

ERP: **250W**

Emission: 20M00D7W

Frequency: 2210.0MHz, 20M00D7W @250W TERRESTRIAL  
2380.0MHz, 20M00D7W @ 250W TERRESTRIAL  
4810.0MHz, 20M00D7W @ 250W TERRESTRIAL

Area of Operation: 5Km

Coordinates: N 39 44 36.10  
W 104 59 42.13

Antenna Height: 15' AGL

Antenna: 15dBi Vertical / Horizontal

Antenna Gain: 15dBi

Dates of Operation: May 07, 2023 – May 12, 2023  
(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