

August 11, 2023

In re Application of

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

To operate in the 2200-2290MHz and 4400-4940MHz Telemetry Bands in Clearwater, Florida.

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authority (STA) to operate within the 2200-2290MHz 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 2230MHz and 4810MHz with a 20MHz bandwidth from September 11, 2023, through December 31, 2023, with intermittent usage. If the 2230MHz or the 4810MHz frequency range is unavailable, any 20MHz channel within the bands 2200-2290MHz and the 4400-4940MHz will suffice. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate new microwave technologies in a MIMO/MANET configuration for the United States Army's Integrated Air and Missile Defense Battle Command System and Sustainment Transmission System. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Silvus Technologies, Inc., is demonstrating new microwave emission technologies for the United States Army IBCS & STS as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion in the Clearwater area, 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 2.2GHz band and 4.5GHz band would serve the public interest by enabling Silvus Technologies, Inc., to demonstrate the reliability of their emission scheme as it relates in a ground-based exercise in a wireless MIMO/MANET configuration. The proposed service would enable demonstration of the Streamcaster SC4480 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 SC4480

Power Output: 8W

ERP: 125W TERRESTRIAL

Emission: 20M00D7W

Frequency: 2230.0MHz, 20M00D7W @ 125W TERRESTRIAL  
4810.0MHz, 20M00D7W @ 125W TERRESTRIAL

Area of Operation: 2Km

Coordinates: N 27 57 21.43  
W 082 47 48.51

Antenna Height: 15' AGL

Antenna: Vertical / Horizontal Polarized

Antenna Gain: 12dBi

Dates of Operation: September 11, 2023 – December 31, 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