

June 25, 2021

In re Application of

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

To operate in the 2360-2390MHz and 4400-4940MHz Telemetry Bands near La Jolla, California.

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authority (STA) to operate within the 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 2380MHz and 4810MHz with a 20MHz bandwidth from July 25, 2021 through July 31, 2021 with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate new microwave technologies in a MIMO/MANET configuration in a land to air and land to sea exercise. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Silvus Technologies, Inc., is testing new microwave emission technologies in a land to air and land to sea scenario as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion in the Southern California area, coupled with the added congestion from traditional Television and News coverage of area events, Silvus Technologies, Inc., requests the use of this channel.

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 2.3GHz band and the 4.5GHz band would serve the public interest by enabling Silvus Technologies, Inc., to demonstrate the reliability of their emission scheme as it relates to an airborne exercise over water in a wireless MIMO/MANET configuration. The proposed service would enable demonstration of the Streamcaster SC4480 transceiver / antenna array in an airborne and water 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:	4W
ERP:	8W TERRESTRIAL
Emission:	20M00D7W
Frequency:	2380.0MHz, 20M00D7W @ 4W AERIAL
Area of Operation:	80Km

Coordinates: N 32 53 39.98
W 117 15 05.61

Antenna Height: **MANNED FIXED WING @ OR BELOW 6500' AGL**
6' AGL

Antenna: Vertical / Cross-Polarized

Antenna Gain: 3dBi aerial, If needed on ground 12dBi Vertical, 15dBi Cross Polarized

Dates of Operation: July 25, 2021 – July 31, 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

cc: Wayne Morris, AFTRCC