

October 20, 2021

In re Application of

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

To operate in the 2200-2290MHz, Telemetry Bands in College Station, Texas

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authority (STA) to operate within the 2200-2290MHz, 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, with a 20MHz bandwidth from November 12, 2021, through November 19, 2021, with intermittent usage. If the 2230MHz or the frequency range is unavailable, any 20MHz channel within the bands 2200-2290MHz 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 Bush Combat Development Complex (at Texas A&M) in November. 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 Bush Combat Development Complex research center as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion in the 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 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.

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: 32W TERRESTRIAL

Emission: 20M00D7W

Frequency: 2230.0MHZ, 20M00D7W @ 32W TERRESTRIAL

Area of Operation: 15Km

Coordinates: N 30°38'21.9

W 96°29'07.3"

Antenna Height: 60' AGL
Antenna: Vertical / Horizontal Polarized
Antenna Gain: 2dBi
Dates of Operation: November 12, 2021 – November 19, 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, Saeed Barzandeh, by telephone 310-429-1567

Respectfully submitted,

By: Saeed Barzandeh
Director of Sales, DoD