

June 22, 2018

In re Application of

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

To operate in the 2360-2390MHz Telemetry Band around Fort A.P. Hill, Virginia.

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authority (STA) to operate within the 2360-2390MHz telemetry band 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 frequency centered at 2380MHz with a 20MHz bandwidth from July 15 through July 22, 2018 with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate emerging microwave emission technology in a MIMO / MANET configuration at the USSOCOM Technical Experimentation event at Fort A.P. Hill in Virginia. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

USSOCOM Science and Technology Directorate has invited Silvus Technologies, Inc., to demonstrate their emerging MANET / MIMO microwave technologies with relation to propagation, data throughput, vehicle integration and impact utilizing the Visual Engineering Obscura IP Camera as a sensor in a terrestrial configuration to present documentation for application for governmental contracts. Due to the frequency congestion in and around Fort A.P.Hill, Silvus Technologies, Inc., requests the use of channels in the 2360-2390MHz Telemetry Band.

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 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. The proposed service would enable demonstration of the Streamcaster SC4400 transceiver in a mobile 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 SC4200

Power Output: 4W

ERP: 8W

Emission: 20M00D7W

Frequency: 2380.0MHz, 20M00D7W @ 8W

Area of Operation: 10Km

Coordinates: N 38 05 45.96  
W 077 18 18

Antenna Height: 6' AGL

Antenna: 2dBi Omni Haigh-Farr

Antenna Gain: 2dBi

Dates of Operation: July 15 2018 – July 22, 2018  
(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