

May 18, 2017

In re Application of

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

To operate in the 2200-2290MHz, 2360-2390MHz and 4400-5000MHz Telemetry Bands at the NAS PAX River, Maryland.

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authority (STA) to operate within the 2200-2290MHz, 2360-2390MHz, and 4400-5000MHz 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 2280MHz, 2380MHz, 4940MHz and 5000MHz with a 20MHz bandwidth from July 16, 2017 through July 22, 2017 with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate new microwave technologies in a MIMO configuration for a USSOCOM Experimentation Session at NAS PAX River in Maryland. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

The United States Special Operations Command has invited Silvus Technologies, Inc., to demonstrate new microwave emission technologies utilizing a Visual Engineering IP Camera as a sensor. Due to the extreme frequency congestion in the PAX River 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, 2.3GHz, 4.4Ghz and 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 Visual Engineering IP Camera in a wireless MIMO configuration. The proposed service would enable demonstration of the Streamcaster SC4200 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 SC4200

Power Output: 4W

ERP: 10W

Emission: 20M00D7W

Frequency: 2280.0MHz, 20M00D7W @ 10W TERRESTRIAL  
2380.0MHz, 20M00D7W @ 10W TERRESTRIAL  
4940.0MHz, 20M00D7W @ 10W TERRESTRIAL

5000.0MHz, 20M00D7W @ 10W TERRESTRIAL

Area of Operation: 16Km  
Coordinates: N 38 16 51.86  
W 076 25 02.70  
Antenna Height: 6' AGL  
Antenna: 2dBi Omni  
Antenna Gain: 2dBi  
Dates of Operation: July 16, 2017 – July 22, 2017  
(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