

March 16, 2017

In re Application of

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

To operate in the 2360-2390MHz Telemetry Band in Butlerville, Indiana.

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 April 10, 2017 through April 23, 2017 with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate data coherency in a MIMO configuration. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

SoarTech, Inc., in conjunction with the Defense Advanced Research Projects Agency (DARPA) have invited Silvus Technologies, Inc., to demonstrate new microwave technologies with regard to data coherency. Due to the extreme frequency congestion in the Butlerville 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 would serve the public interest by enabling Silvus Technologies, Inc., to demonstrate the reliability of their emission scheme as it relates to transmitting and receiving consistent data packets to control robots remotely. The proposed service would enable a demonstration of the Streamcaster SC4200 transceiver / antenna array in an airborne/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:	4W
Emission:	20M00D7W
Frequency:	2380.0MHz, 20M00D7W @ 4W AERIAL
Area of Operation:	32Km

Coordinates: N 39 02 58.13
W 085 31 43.30

Antenna Height: **UNMANNED DRONE @ OR BELOW 500' AGL**

Antenna: 3dBi Omni Haigh-Farr

Antenna Gain: 3dBi

Dates of Operation: April 10, 2017 – April 23, 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