

May 21, 2019

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 Birmingham, Alabama.

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 14, 2019 through August 25, 2019 with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate new microwave technologies in a MIMO / MANET configuration at Legion Field in Birmingham, Alabama for multiple First Responders in the area. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Multiple Birmingham First Responders have invited Silvus Technologies, Inc., to demonstrate new microwave emission technologies with regard to data coherency, propagation, data throughput, vehicle integration and impact during simulated disaster exercises utilizing various IP sensors and cameras. Due to the extreme frequency congestion in the Birmingham area, 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 various IP sensors in a wireless MIMO / MANET 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:	8W
Emission:	20M00D7W
Frequency:	2380.0MHz, 20M00D7W @ 8W AERIAL

Area of Operation: 5Km

Coordinates: N 33 30 41.33
W 086 50 33.14

Antenna Height: **At or below 500' AGL via a tethered drone inside the stadium.**

Antenna: 2dBi Omni

Antenna Gain: 2dBi

Dates of Operation: July 14 -19, 2019 and August 12 - 25, 2019
(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