

December 17, 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 Peoria, Illinois.

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 January 15, 2018 through January 31, 2018 with intermittent usage. As explained below, Silvus Technologies, Inc., is filing an STA request to demonstrate data coherency in a MIMO configuration for Caterpillar, Inc. at their proving grounds near Peoria, Illinois. Silvus Technologies, Inc., submits that there are extraordinary circumstances warranting a grant of the STA request.

Caterpillar, Inc., has invited Silvus Technologies, Inc., to test and demonstrate new microwave technologies with regard to data coherency. Due to the extreme frequency congestion in the Peoria 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 receiving consistent data packets. The proposed service would enable a 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: Silvus Technologies, Inc. Streamcaster SC4200

Power Output: 4W

ERP: **4W**

Emission: 20M00D7W

Frequency: 2380.0MHz, 20M00D7W @ 4W

Area of Operation: 32Km

Coordinates: N 40 44 24.418
W 089 29 23.2447

Antenna Height: 6' AGL

Antenna: 2dBi Omni Haigh-Farr

Antenna Gain: 2dBi

Dates of Operation: January 15, 2018 – January 31, 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