

July 11, 2017

In re Application of

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

To operate in the 1710-1885MHz Telemetry Band in Los Angeles, California.

ATTN.: Microwave Branch

Silvus Technologies, Inc., hereby requests Special Temporary Authority (STA) to operate within the 1710-1885MHz 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 1790MHz with a 1.5MHz bandwidth from August 01, 2017 through September 30, 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.

The United States Air Force Research Laboratory has invited Silvus Technologies, Inc., to demonstrate new microwave technologies with regard to data coherency. Due to the extreme frequency congestion in the Los Angeles 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 1.7GHz 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 SC3500 transceiver / antenna array in a airborne exercise.

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 SC3500

Power Output: 4W

ERP: **10W**

Emission: 1.5M00D7W

Frequency: 1790.0MHz, 1.5M00D7W @ 10W

Area of Operation: 10Km

Coordinates: N 34 10 54.11  
W 118 29 54.02

Antenna Height: 6' AGL  
Antenna: 3dBi Omni Haigh-Farr  
Antenna Gain: 3dBi  
Dates of Operation: August 01, 2017 – September 30, 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