

May 19, 2015

In re Application of

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

To operate at 1350-1390MHz, 2360-2390MHz and 5850-5870MHz Telemetry Bands in Oceanside, California.

ATTN.: Microwave Branch

Silvus Technologies, Inc. hereby requests Special Temporary Authority (STA) to operate within the 1350-1390MHz, 2360-2390MHz and 5850-5870MHz 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 1370MHz, 2385MHz and 5870MHz with a 5MHz bandwidth from May 04 through September 04, 2015 with intermittent usage. As explained below, Silvus Technologies, Inc is filing an STA request to test RF coverage with relation to wave propagation over the ocean for the Defense Advanced Research Projects Agency (DARPA). Silvus Technologies, Inc submits that there are extraordinary circumstances warranting a grant of the STA request.

DARPA has contracted Silvus Technologies, Inc to test a wireless telemetry system. Due to the extreme frequency congestion in the Southern California 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 1.3GHz, 2.3GHz and 5.8GHz bands would serve the public interest by enabling Silvus Technologies, Inc to demonstrate the reliability of the fixed link RF system for the laboratory. The proposed service would enable testing of the bit stream by providing an RF fixed link across a large body of water between Oceanside, CA and Scripps Pier that would not otherwise be available to the laboratory. 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 SC3800

Power Output: 100mw into 10W P/A

ERP: **10W**  
**31W**

Emission: 5M00D7W

Frequency: 1375.0MHz, 5M00D7W @ 10W  
2385.0MHz, 5M00D7W @ 10W  
5870.0MHz, 5M00D7W @ 31W

Area of Operation: 40km Point A to Point B

Coordinates: Point A N 32 52 01.45  
W 117 15 26.51

Point B N 33 11 40.93  
W 117 23 14.94

Antenna Height: 6' AGL

Antenna: 10dBi Dual polarized /sector

Antenna Gain: 10dBi

Dates of Operation: May 04, 2015 – September 04, 2015  
(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: Joan Howery, FCC  
Wayne Morris, AFTRCC