

May 04, 2021

In re Application of

Sierra Nevada Corporation  
Tactical Communications Division  
3139 Doc Bennett Road  
Fayetteville, North Carolina 28306

To operate in the 2360-2390MHz Telemetry Band near Stockton, Maryland, Virginia Beach Virginia, Camp Lejeune, North Carolina.

ATTN.: Microwave Branch

Sierra Nevada Corporation hereby requests Special Temporary Authority (STA) to operate within the 2360-2390MHz telemetry bands pursuant to Section 21.25 of the Commission's Rules. Sierra Nevada Corporation requests that the Commission grant it temporary authority to operate on the frequency centered at 2380MHz with a 20MHz bandwidth from May 10, 2021 through May 18, 2021 with intermittent usage. As explained below, Sierra Nevada Corporation is filing an STA request to demonstrate high altitude to ground MESH network testing over Stockton, Maryland, Virginia Beach Virginia, Camp Lejeune, North Carolina and primarily off the coast. Sierra Nevada Corporation submits that there are extraordinary circumstances warranting a grant of the STA request.

Sierra Nevada Corporation seeks to conduct high altitude to ground MESH network testing on an intermittent basis. Due to the extreme frequency congestion in the area, Sierra Nevada Corporation requests the use of these channels.

Sierra Nevada Corporation certifies that the operation of the requested channel for the purposes specified herein will not cause interference to any established stations.

Grant of the instant request for STA for the 2.3GHz Bands would serve the public interest by enabling Sierra Nevada Corporation to conduct high altitude MESH networking tests over Stockton, Maryland, Virginia Beach Virginia and Camp Lejeune, North Carolina. Sierra Nevada Corporation 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: Sierra Nevada Corporation  
Tactical Communications Division  
Address: 3139 Doc Bennett Road  
Fayetteville, North Carolina 28306

Dates of Operation: May 10, 2021 – May 18, 2021

Type and Manufacturer  
Of Equipment: Silvus Technologies, Inc.  
Streamcaster SC4480

Power Output: 8W

ERP: **25W**

Emission: 20M00D7W

Frequency: **2380.0MHz @25W AERIAL**

Area of Operation: 185km

Coordinates: Stockton, MD N 38 01 20.18  
W 075 25 23.28  
Virginia Beach, VA N 36 52 47.64  
W 076 01 56.67  
Camp Lejeune, NC N 34 35 16.40  
W 077 20 53.51

Antenna Height: **UNMANNED STRATOLLITE @ OR BELOW 70000' AGL**

Antenna: H/V

Antenna Gain: **6dBi**

Dates of Operation: May 10, 2021 – May 18, 2021  
(Intermittent Usage during these days)

Sierra Nevada Corporation 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.

Sierra Nevada Corporation 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, or E-mail winchworks@me.com.

Respectfully submitted,

By: John Winch  
Frequency Coordinator

cc: Wayne Morris  
AFTRCC