

March 28, 2020

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
Above San Clemente Island, California.

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 25, 2020 through June 12, 2020 with intermittent usage. As explained below, Sierra Nevada Corporation is filing an STA request to perform high altitude to ground MESH network testing above San Clemente Island, California. 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 above San Clemente Island, California. Due to the extreme frequency congestion in the area, Sierra Nevada Corporation requests the use of this channel.

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 2.3GHz Band would serve the public interest by enabling Sierra Nevada Corporation to conduct high altitude to ground MESH networking tests over Southern California. 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

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: 200km

Coordinates: N 33 01 13.30
W 118 35 06.80

Antenna Height: **UNMANNED STRATOLLITE @ OR BELOW 60000' AGL**

Antenna: 6dB Omni

Antenna Gain: 6dBi

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

Power Output: 8W

ERP: **57W**

Emission: 20M00D7W

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

Coordinates: N 32 41 30.58
W 117 13 34.29

Antenna Height: 5M AGL

Antenna: Directional tracker

Antenna Gain: 19dBi

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

Power Output: 8W

ERP: **49W**

Emission: 20M00D7W

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

Coordinates: N 32 56 45.35
W 118 31 49.58

Antenna Height: 3M

Antenna: 6dB Omni

Antenna Gain: 6dBi

Dates of Operation: May 25, 2020 – June 12, 2020
(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