

FCC FREQUENCY COORDINATION NOTICE

**Experimental Licensing Branch
Office of Engineering and Technology**

The following application is attached for your review:

Applicant: Sierra Nevada Corporation
File Number: 1370-EX-ST-2018

Start Date: 9/1/2018 **End Date:** 10/5/2018

Why STA Is Necessary:

The United States Southern Command (USSOUTHCOM) has contracted Sierra Nevada Corporation to conduct high altitude MESH networking and wide area surveillance tests within a flight plan (attached below) over South Dakota. Due to the extreme frequency congestion in the area, Sierra Nevada Corporation requests the use of these channels.

Purpose of Operation:

Grant of the instant request for STA for 2.3GHz and 9GHz Bands would serve the public interest by enabling Sierra Nevada Corporation to conduct high altitude MESH networking tests over South Dakota to provide a persistent surveillance system to locate and deter narcotic trafficking and homeland security threats.

Contact: John Winch

Phone: [REDACTED]

Email: [REDACTED]

Nature of Service: EXPERIMENTAL

Class of Station: XT MO

Call Sign: NEW

Station Location

MOBILE: Baltic, SD: max altitude 65,000 ft AGL, Within the requested radius along the flight plan, within 400 km, centered around NL 43-42-02; WL 96-42-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2380 MHz	MO	20M0D7W	8W (ERP)	0.00200000
9510 MHz	MO	600MM3N	100W (ERP)	0.00200000