

October 07, 2024

In re Application of

Morris County Department of Law and Public Safety  
PO Box 900  
Morristown, New Jersey 07963-0900

To operate in the 2200-2290MHz and 4400-4940MHz Telemetry Bands in Morris County, New Jersey.

ATTN.: Microwave Branch

Morris County Department of Law and Public Safety hereby requests Special Temporary Authorization (STA) to operate within the 2200-2290MHz and 4400-4940MHz telemetry bands pursuant to Section 21.25 of the Commission's Rules. Morris County Department of Law and Public Safety requests that the Commission grant it temporary authority to operate on the frequencies centered at 2210MHz, 2280MHz, 4510MHz and 4650MHz with a 20MHz bandwidth from December 15, 2024, through May 15, 2025, with intermittent usage. If the 2210MHz, 2280MHz, 4510MHz or the 4650MHz frequency range is unavailable, any 20MHz channel within the bands 2200-2290MHz and the 4400-4940MHz will suffice. As explained below, Morris County Department of Law and Public Safety is filing an STA request to demonstrate, experiment and train those who serve across Public Safety, Government, Defense, Security and Enterprise in the utilization and application of wireless technology in a MIMO/MANET emission scheme during emergency operations. Morris County Department of Law and Public Safety submits that there are extraordinary circumstances warranting a grant of the STA request.

Morris County Department of Law and Public Safety is demonstrating, experimenting and training those who serve across Public Safety, Government, Defense, Security and Enterprise in the utilization and application of wireless MIMO/MANET technology in their field during emergency operations. Due to the extreme frequency congestion in the Morris County area, coupled with the added congestion from traditional Television and News coverage of area events, Morris County Department of Law and Public Safety requests the use of these channels.

Morris County Department of Law and Public Safety 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 2.2GHz band and the 4.5GHz bands would serve the public interest by enabling Morris County Department of Law and Public Safety to provide a platform to train, demonstrate and experiment wirelessly with MIMO/MANET technologies for individuals who support Public Safety, Government, Defense, Security and Enterprise during emergency operations.

In accordance with Section 74.633 of the Commission's Rules, the following is provided:

Applicants Name: Morris County Department of Law and Public Safety  
Address: PO Box 900  
Morristown, New Jersey 07963-0900

Type and Manufacturer Of Equipment: Silvus Technologies, Inc.  
Streamcaster SC4200/4400

Power Output: 4W

ERP: **10W AERIAL**

Emission: 20M00D7W

Frequency: **2210.0MHZ, 20M00D7W @ 10W AERIAL**  
**2280.0MHZ, 20M00D7W @ 10W AERIAL**  
**4510.0MHZ, 20M00D7W @ 10W AERIAL**  
**4650.0MHZ, 20M00D7W @ 10W AERIAL**

Area of Operation: 35Km

Coordinates: N 40 50 00.97  
W 074 32 46.78

Antenna Height: **MANNED HELICOPTER @ OR BELOW 2000' AGL**

Antenna: Vertical Polarized

Antenna Gain: 2dBi

Dates of Operation: December 15, 2024 – May 15, 2025  
(Intermittent Usage during these days)

Morris County Department of Law and Public Safety 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.

Morris County Department of Law and Public Safety 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