

## FCC FREQUENCY COORDINATION NOTICE

The following application is attached for your review.

Applicant: Kraus Hamdani Aerospace Inc.  
File Number: File Number 0034058305  
Start Date: September 11, 2023 End Date: September 22, 2023

ATTN.: Microwave Branch

Kraus Hamdani Aerospace Inc. hereby requests Special Temporary Authority (STA) to operate in the 2200-2290MHz and 2360-2395MHz telemetry bands pursuant to Section 21.25 of the Commission's Rules. Kraus Hamdani Aerospace Inc. requests that the Commission grant it temporary authority to operate on the frequencies centered at 2230MHz and 2380MHz with a 20MHz bandwidth on September 11-22, 2023, with intermittent usage. As explained below, Kraus Hamdani Aerospace Inc. is filing a STA request to demonstrate new microwave technologies in a MANET / MIMO configuration for the United States Marine Corps and United States Navy's Small Tactical Unmanned Aircraft Systems Program Office, or PMA-263 in Bushwood, MD. Kraus Hamdani Aerospace submits that there are extraordinary circumstances warranting a grant of the STA request.

PMA-263 has invited Kraus Hamdani Aerospace Inc to demonstrate new microwave emission technologies as it relates to data coherency, propagation, data throughput, vehicle integration and impact. Due to the extreme frequency congestion in the Washington DC / Baltimore area, Kraus Hamdani Aerospace Inc. request the use of channels in the 2360-2395MHz Telemetry Band.

Kraus Hamdani Aerospace 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 2200-2290MHz and 2360-2395MHz bands would serve the public interest by enabling Kraus Hamdani Aerospace Inc. to demonstrate the reliability of their emission scheme as it relates to the K1000 Group-2 UAS in a wireless MANET / MIMO configuration. The proposed service would enable demonstration of the Silvus Streamcaster 4200 (Model # SC4240-235) / antenna array in an aerial demonstration. Kraus Hamdani Aerospace 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:

Purpose of Operation: PMA-263 has been down selected Kraus Hamdani Aerospace, Inc to participate in a flight demonstration to meet tactical and operational needs of the USN and USMC.

Applicants Name: Kraus Hamdani Aerospace Inc.  
Address: 5515 Doyle St, Suite 15  
Emeryville, CA 94608

Type and Manufacturer  
Of Equipment: Silvus Streamcaster 4200 (Model # SC4240-235)

Power Output: 20W

ERP: 35W / 45.5 dbm

Emission: 17M8D7W, 8M9097W, 4M45D7W

Frequency: 2230 MHz, @20W AERIAL  
2380 MHz, @ 20W AERIAL

Area of Operation: Operating within a 61km radius of 38° 17' 23.99" N, 76° 46' 48" W, Bushwood, MD.

Antenna Height: Surface to 10,000' MSL

Antenna: 3dBi Omni

Antenna Gain: 3dBi

Dates of Operation: September 11-22, 2023  
(Intermittent Usage during these days)

Applicant 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.

Applicant 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, **Christopher Cardon**, by telephone **(254) 669-2173**.

Respectfully submitted,

By: Christopher Cardon  
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(254) 669-2173

cc: Wayne Morris, AFTRCC