



Chairman Ajit Pai
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
ajit.pai@fcc.gov

Letter of Support from SweetSense Inc. for Swarm Technologies Part 25 Authorization
Application No. SAT-PDR-20200228-00021

Dear Chairman Pai,

On behalf of SweetSense, I am writing in support of Swarm Technologies' ("Swarm") petition for declaratory ruling seeking market access for a non-voice, non-geostationary satellite constellation in UHF satellites.

[SweetSense](#) is a leader in low-cost remote sensors designed for the global humanitarian and poverty alleviation sector. Our customers are international development agencies, global corporations, and non-profits including [Aecom](#), the [United States Agency for International Development \(USAID\)](#), the [Gates Foundation](#), the [World Bank](#), and the [Millennium Water Alliance](#). Our technology is used to provide critical status visibility for applications ranging from water filters and pumps to cookstoves and latrines. SweetSense's solutions improve and expand the reach of water, sanitation, energy, and infrastructure services in developing countries, driving significant positive impact on global health.

Swarm's petition serves the public interest, particularly for global development and critical water monitoring infrastructure companies like SweetSense. Swarm is a critical partner for SweetSense, providing essential communications infrastructure at an affordable price, enabling SweetSense to connect our devices to the Internet and achieve our mission. Swarm needs adequate spectrum to deliver the capacity needed for various narrowband Internet-of-Things applications, including the technology being deployed by SweetSense. Granting Swarm's petition and allowing it reasonable access to UHF spectrum will ensure Swarm can deliver the throughput that SweetSense requires to deliver our services as we depend on low-cost satellite-based communications as a transmission medium.

Swarm is an innovative, American-based operator and manufacturer of state-of-the-art satellite platforms. Swarm pioneered the development of small form factor cubesats, and has already begun launching its American-made VHF constellation of satellites. Swarm has demonstrated continued success, with the latest milestone of launching 12 commercial satellites. Swarm plans to continue to deploy this year, which will begin supporting customers like SweetSense with data connectivity, allowing us to expand our reach at an unprecedented scale. Swarm's ability to rapidly and cost effectively launch satellites is critical to ensuring American leadership in the dynamic and competitive space-based Internet-of-Things market.

SweetSense appreciates the FCC's attention to this matter, as well as the Commission's longstanding commitment to promoting commercial U.S. space interests.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Evan Thomas', is positioned above the typed name.

Evan Thomas, PhD, PE, MPH | Chief Executive Officer | SweetSense Inc.

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Date Submitted: [June 28, 2020](#)

Cc: Commissioner Michael O'Rielly (michael.orielly@fcc.gov)
Commissioner Brendan Carr (brendan.carr@fcc.gov)
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