

FEDERAL COMMUNICATIONS COMMISSION
Experimental Licensing Branch
445 12th Street, S.W., Room 7A-321
Washington, D.C. 20554

December 12, 2017

Attn: Sara Spangelo
Swarm Technologies, Inc.
688 Coral Ct
Los Altos, CA 94024

DISMISSED-WITHOUT PREJUDICE

Dear Sara Spangelo,

This refers to application, File No. 0305-EX-CN-2017, for an experimental authorization.

You are advised that the Commission is unable to grant your application for the facilities requested. The applicant proposes to deploy and operate 4 spacecraft that are smaller than 10 cm in one of their three dimensions. These spacecraft are therefore below the size threshold at which detection by the Space Surveillance Network (SSN) can be considered routine. The proposed addition of Ku-Band radar reflectors to the satellite would overcome this issue with respect to only to the small portion of the SSN that utilizes Ku-Band frequencies. Use of GPS data from the satellites will be available only if and while the satellites are functional.

In the absence of tracking at the same level as available for objects of 10cm x 10 cm x 10 cm, and in the event of a conjunction with an operational spacecraft, the ability of operational spacecraft to reliably assess the need for and plan effective collision avoidance maneuvers will be reduced or eliminated. Accordingly, we cannot conclude that a grant of this application is in the public interest.

Responses to this correspondence must contain the Reference number : 40011

Sincerely,



Anthony Serafini
Chief
Experimental Licensing Branch