

19 November 2020

Ex Parte

Marlene H. Dortch
Secretary, Federal Communications Commission
45 L Street NE
Washington, DC 20554

Re: Swarm Technologies, Inc.; IBFS File No. SAT-MOD-20200501-00040; Call Sign: S3041

Dear Ms. Dortch:

Earlier today I spoke on the phone with Alyssa Roberts in the International Bureau, Satellite Division, Policy Branch about the GPS antennas proposed in the above-referenced application (the Application).

During the conversation Ms. Roberts inquired about the receive frequencies of the GPS antennas. The Swarm satellite model equipped with onboard propulsion is also equipped with two custom-tuned GPS patch antennas. The GPS patch antennas are passive, and the received GPS signal is combined into a custom GNSS receiver. The GPS patch antennas are tuned to receive in the U.S. GPS L1 band, specifically at a frequency of 1575.42 MHz \pm 12 MHz. The antennas do not radiate RF energy.

Swarm also wishes to update the record regarding its launch plans. On October 29, 2020 Swarm stated that it planned to launch SpaceBEEs 60-75 on December 28, 2020 with an anticipated integration date of November 27, 2020.¹ The satellites scheduled for that launch are SpaceBEEs **40-75**, not **60-75**. Furthermore, the scheduled launch date is now January 14, 2021, with an anticipated satellite integration date of December 14, 2020. Pending full consideration of the Application, Swarm still seeks authority to launch up to sixteen satellites equipped with propulsion, together with non-propulsion-equipped satellites, beginning with four satellites (SpaceBEEs 60-63) on the upcoming January 14, 2021 launch, as described in the October 29, 2020 letter.

Please do not hesitate to contact me with any questions.

Sincerely,



Shiva Goel
Counsel to Swarm Technologies

cc: Alyssa Roberts, Policy Branch, Satellite Division, International Bureau

¹ See Letter from Shiva Goel, Counsel to Swarm Technologies, to Marlene H. Dortch, IBFS File No. SAT-MOD-20200501-00040 (filed Oct. 29, 2020).