

To: Antonio Montesinos
E-Mail: rfops@spaceai.com
From: Doug Young
Date: September 27, 2019

Subject: Request for Info - File # 0225-EX-CM-2019

Message:

Respond to the following questions from our International Bureau:

Please provide an EMC analysis for the 450.1-450.15 MHz transmissions.

Is there any WiFi or other transmission capability on the satellite aside from the microhard p400 listed in the technical description?

Please provide clarification on the following ODAR-related issues:

1. Looking at the figures of the spacecraft in stowed and deployed configurations provided, how did you determine the increase in cross-sectional area from stowed vs deployed?
2. Please provide orbital lifetimes for both the stowed and deployed configurations.
3. Please indicate whether mission objectives could be achieved at a lower altitude with shorter orbital lifetime.
4. The satellite orbit appears to be identical to or similar to the Starlink orbit. Please indicate what procedures or protocols are in place to address conjunctions with other active objects, including, if applicable, collision avoidance capabilities, telemetry and ranging information, assistance from third party space situational awareness services, and operator-to-operator information sharing and coordination arrangements, etc.
5. Please indicate the spacecraft material with the highest melting point or provide DAS (or other similar software analysis) outputs indicating survivability of debris.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of September 27, 2019 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 50984