

From: Craig Scheffler

To: Nimesh Sangani

Date: June 06, 2019

Subject: Additional Information Request

Message:

Supplementary Clarifications

Correspondence Reference Number: 48196

Application File Number: 0369-EX-CN-2019

In response to correspondence with Reference number 48196, Planet provides the following information for application file 0369-EX-CN-2019

1. Signed Orbital Debris Mitigation (ODAR)
ODAR report has been attached to application file.

2. SpaceCap Calculations

3. SpaceCap Cover Letter

4. ITU Cost Recovery Cover Letter

The Spacecap Database, Cover letter, and ITU cost recovery letter has been emailed to the OET.

5. NTIA Data

The NTIA data is attached to the application file.

6. IARU Letter or EMC analysis (applications using amateur frequencies)

There are no amateur frequencies proposed in the application, and therefore coordination with the IARU is not necessary.

7. NOAA Letter (applications involving imaging)

An application for a remote sensing imaging system has been submitted to NOAA on June 6, 2019 and is in review. Planet understands it may take up to 120 days for NOAA's approval.

8. Justify the 5 year license request

The experimental satellite mission will last approximately 2 years but could extend to 3 years or more depending on progress of the evaluation. The satellite's natural orbit lifetime will be approximately 3 years. The satellite contains electric propulsion and can be maintained in orbit for as long as 5 years. Therefore we believe it is prudent to request a 5 year term license.

9. Clarify the X-band frequency range 8.305-8.445 MHz

This range is a typo and has been corrected in Form 442 of the application. The correct range for the beam is 8029.9295-8030.0705. See also the amendment described below.

In addition, Planet wishes to amend information in the application file as follows:

10. The telemetry downlink frequency with channel ID "XT1R" has been changed from 8375 MHz to 8030 MHz. The application file form 442 has been updated to reflect the change. An updated "Antenna and Emissions Parameter" exhibit has been submitted to the file and noted as version 2 dated June 6, 2019. Please disregard the earlier version dated April 30, 2019.