

To: Nicolas Lee
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From: Doug Young
Date: December 14, 2016

Subject: Request for Info - File #0238-EX-PL-2016

Message:

The FCC's International Bureau/Satellite Division has reviewed the new/updated information provided and we notice a couple of questions were NOT answer nor was there an explanation. We kindly ask the applicant to provide a response to our questions below:

1a) Applicant please provide more detail information about the transmitting beacon.

1b) Can the beacon be controlled to only transmit over its service area?

1c) Can the beacon be turn-off on command?

2) Will the earth station transmit and/or receive signals from OTHER satellites/cubesats? If yes, what are the frequencies they will be transmitting and/or receiving?

3) In the SpaceCap, Group id 1, UPLINK:

We reviewed the SpaceCap API file and the values does not match what we calculated with the equation below.

The Power Density (or Power Spectral Density) boxes C8a2/C8b2 (Max pwr dens) and box C8c3 (Min Pwr dens.) values don't match with our calculations; we calculated the power spectral density value using the following equation:

Power Spectral Density = Power (dBW) – 10 * Log10 (Emission Bandwidth in Hertz).

Applicant please check and update the max and min power spectral density value.

4) In the SpaceCap, Group id 2, DOWNLINK:

Same issue here. We reviewed the SpaceCap API file and the values does not match what we calculated with the equation below.

The Power Density (or Power Spectral Density) boxes C8a2/C8b2 (Max pwr dens) and box C8c3 (Min Pwr dens.) values don't match with our calculations; we calculated the power spectral density value using the following equation: Power Spectral Density = Power (in dBW) – 10 * Log10 (Emission Bandwidth in Hertz).

Applicant please check and update the max and min power spectral density value.

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 December 14, 2016 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://apps.fcc.gov/oetcf/els/index.cfm> by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number : 35051

