

From: J. Garrett Jernigan

To: Doug Young

Date: November 08, 2018

Subject: Request for Info - File # 0651-EX-CN-2018

Message:

FCC-response-1

Confirmation Number EL446164

Reference Number 44610

Responding to email from oetech@fccsun27w.fcc.gov

I am responding to the FCC web page reference number 44610 with an email copy to "Douglas Young";

In the email to me you cited four issues with my filing.

1. You have not listed the spacecraft as a transmitter in your application. You will need to add that to your application if you are the operator. Select "Space" for the state field and enter "Nongeostationary" in the city field. Be sure to list all frequencies that the spacecraft will transmit and list at least one emission for each frequency.

2. You have entered "30K0F2D" as your emission designator. The IARU letter authorizes you to use "12K0F1D"; Correct your emission designator.

3. Submit a signed Orbital Debris Assessment Report (ODAR) in accordance with 47 C.F.R. §5.64(b).

4. The FCC's International Bureau requires the submission of SpaceCap data to complete evaluation of your application. In accordance with the provisions of Article 9.1 and Appendix 4 of the Radio Regulations, mandatory submission of a SpaceCap file for each individual space station is required. The software and instructions may be downloaded from the ITU link <http://www.itu.int/en/ITU-R/software/Pages/spacecap.aspx>. Submit the results to my FCC email address, Douglas.Young@fcc.gov. Change the extension of the mdb file so that it makes it past our firewall. -----h;

I can resolve 3 of the four issues at this time.

For issue 1. I can enter a new spacecraft antenna with the state = "space" and city = "Nongeostationary";.

For issue 2 I know the correct emission designator is "12K0F1D"; as sent to the IARU. The emission designator 30K0F2D is incorrect.

Does this correspondence serve to correct these mistakes or do I need to log in the FCC web site and correct this info on line. If the later is true do I login and use the add attachments, reply to Correspondence, or the Amend/Complete buttons.

For item 3 I have provided a professional NASA engineer with a list of the masses, material type and sizes of all the parts of the CubeSat. He is preparing the ODAR which I will email to Douglas.Young@fcc.gov as soon as it is complete.

For item 4 I have prepared the SpaceCap DMB file for EdgeCube. I have renamed this file spacecap_v8.mdd so that it will get past the FCC firewall as instructed. I will email this spacecap to Douglas.Young@fcc.gov now. Please let me know if there are any issues with the content of the spacecap database file.