

To: david hinkley  
E-Mail: david.a.hinkley@aero.org  
From: Nimesh Sangani  
Date: July 16, 2020

Subject: Additional Information Request

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Message:

Please address the following questions/concerns.

- 1) Fill out the NTIA Space record form. Make sure to use the latest version.
- 2) Provide Earth station and space station antenna beam diagrams (polar plots)
- 3) Please make sure that the frequency in the Space Cap matches to that in the form. If not, please correct or provide justification as to why they differ.
- 4) Please correct all the fatal errors in the SpaceCap file
- 5) The FCC's International Bureau requires the submission of SpaceCap data in order 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>. Change the extension of the ".mdb" file to ".txt" and submit the results to my FCC email address, nimesh.sangani@fcc.gov
- 6) Please provide Space Cap cover letter
- 7) Your exhibit states "Analysis of AeroCube Non Interference with Protected 902-928 Band". This filing is for Slingshot. Make sure to review the document and change it to Slingshot.
- 8) Review all the documents to make sure that you are referring to Slingshot and not Aerocube.
- 9) Prior coordination with the FAA is required for the frequencies 5020.00000000 MHz requested in this application. Please upload the pre coordination document. Please disregard this notification if you already uploaded the pre coordination document.
- 10) In the narrative, you have mentioned, " The AdvRadio is built by The Aerospace Corporation around a Texas Instruments CC1101 transceiver chip. It operates at a fixed 914.7 MHz frequency (see "AdvRadio bandwidth" Exhibit) and outputs 1.3 W. The radio attaches to an omnidirectional patch antenna on the AeroCube-10 body with a 3 dBi peak gain"

Should this be Slingshot? I believe AeroCube-10 has already been launched.

- 11) You have marked an exhibit as confidential. You must submit an item-by-item justification for the confidentiality request to answer the nine subsections of Part 0.459(b) of the FCC's rules. All non-confidential material must be separated from the confidential material and must be viewable by the public, as must the confidentiality justification.

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 July 16, 2020 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 : 56302