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February 14, 2007

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Federal Communications Commission
Bureau / Office

BY HAND

James R. Burtle, Chief
Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, D.C. 20554

Re: Bigelow Development Aerospace Division, LLC
Experimental Application (FCC File No. 0593-EX-PL-2006)

Dear Mr. Burtle:

This letter is submitted on behalf of Bigelow Development Aerospace Division, LLC ("Bigelow Aerospace" or "BA") in connection with its above-referenced application for experimental authority, filed on October 16, 2006. By this letter, Bigelow Aerospace is respectfully requesting action on this application by April 16, 2007, two months from the date of this letter.

The referenced application seeks new authority for Bigelow Aerospace to make use of ten megahertz of X-band spectrum centered at 8487 MHz. This spectrum is allocated on a shared primary basis to both government and non-government users in the Space Research service for space-to-Earth transmissions. Because BA's experimental program looks toward, among other applications, the commercial development of in-orbit space research testing programs for federal government and private industry users, this band is ideally and uniquely suited to its operations.

Although a number of space agencies have used this band for the transmission of Space Science data, there is no "off-the-shelf" commercial equipment available to Bigelow Aerospace to meet the needs of its experimental program. Because it will therefore be necessary for BA to contract for construction of the required X-band equipment, it will need sufficient lead time to solicit bids from potential suppliers of X-band transmit and receive equipment, enter into one or more equipment manufacturing agreements with a selected vendor or vendors, and allow an adequate period for production prior to incorporating this equipment into the next stage of its experimental program. At present, Bigelow Aerospace anticipates using X-band capability, if granted,



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into the Galaxy in-orbit testing program, which is currently scheduled for launch as early as the Second Quarter of 2008. Bigelow Aerospace is hopeful that OET will be able to evaluate and act on the pending request within the next sixty days, which would allow the contracting phase to move forward on a schedule consistent with this planned launch schedule.

Should there be any questions regarding this request, please contact the undersigned counsel.

Respectfully submitted

David S. Keir

*Counsel to Bigelow Development
Aerospace Division, LLC*

cc: Anthony Serafini (by email)