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November 4, 1999

Federal Communications Commission
Experimental Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

Re: Orbital Sciences Corporation
Application for New Experimental Radio License

To the Commission:

On behalf of Orbital Sciences Corporation ("Orbital"), electronically transmitted herewith is an application on FCC Form 442 seeking a license to operate experimental radio facilities. The requested license is intended in part to replace Orbital's existing special temporary authority, granted on June 4, 1999, under call sign WA9XFR (File No. 0178-EX-ST-1999), a copy of which is attached. The license will allow Orbital to continue the program of experimentation as described in the original STA request and the exhibit attached to this application.

The filing fee for this application, along with a completed Form 159 remittance advice worksheet, will be submitted in accordance with the Commission's rules.

If you have questions, please call me at (202) 719-7235.

Respectfully submitted,

/s/

Kurt E. DeSoto
Counsel for Orbital Sciences Corporation