

19 May 1997

Federal Communications Commission (FCC)
Experimental Radio Service
P.O. Box 356320
Pittsburgh, PA 15251-5320

To Whom It May Concern,

Orbital (formerly known as "Orbital Sciences Corporation") is submitting the following modification to you for processing under Part 5 of the Commission Rules. Orbital had previously (April 8, 1997) been authorized by the FCC to use and operate BATSAT's MICROSTAR (LEO) radio transmitting facility call sign "WA2XGO" file number "5486-EX-PL-96" pursuant to Orbital's request for Experimental Radio Services License dated 01 October 1996.

More recently, Orbital's BATSAT Program completed its final design review during which it was determined that a cost effective mission trade, which involves leveraging off of a Commercial Off-The-Shelf (COTS) product, could better serve the program's needs. Therefore, Orbital is requesting a modification to its original license to allow for an increase in BATSAT's uplink data rate (from 9.6 kbps up to a maximum of 57.6 kbps) with a commensurate increase in the uplink transmitter power (from 10 watts up to a maximum of 20 watts). A revised earth-to-space telecommand link analysis calculation is enclosed (see Exhibit No. 2).

Also enclosed is a check, in the amount of \$45.00, to cover the processing of this application.

Given that Orbital is planning to launch BATSAT in mid-September of this year, we thank you again for your assistance in helping Orbital with this matter. Please direct comments or questions concerning this application to me at 703-406-5726 or huber.ron@orbital.com (fax 703-435-6796).

Sincerely,

Ron Huber

Ron Huber
BATSAT Ground Station Manager (Small Satellite Division)
Enclosure: as stated