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April 12, 2000

**HAND DELIVERY**

Magalie Roman Salas, Esq.  
Secretary  
Federal Communications Commission  
Experimental Radio Services  
P.O. Box 358320  
Pittsburgh, PA 15251-5320

**Re: FCC Form 442 Application of Northrop Grumman Corporation  
for a New Experimental Radio Service Authorization.**

Dear Ms. Secretary:

On behalf of Northrop Grumman Corporation ("Northrop Grumman"), there is submitted herewith, on FCC Form 442, an application for a new experimental radio service authorization under Part 5 of the Commission's Rules. Northrop Grumman is applying for this new authorization in order to test an experimental radar transmitter, which is capable of foliage penetration. The proposed transmitter will be mounted on a test aircraft that will initially operate in an area encompassing a 370 km radius around the NAD 27 coordinates of 39-11-01 North Latitude and 076-41-09 West Longitude.

The testing of the experimental radar transmitter is scheduled to commence on July 1, 2000; therefore, Northrop Grumman respectfully requests the expedited processing of this application.

Also enclosed are a FCC Form 159 and a check made payable to the "Federal Communications Commission" in the amount of \$45.00 to cover the requisite filing fee.

Magalie Roman Salas, Esq.  
Federal Communications Commission  
April 12, 2000  
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Any questions concerning this filing may be directed to the undersigned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John M. R. Kneuer", with a long, sweeping horizontal line extending to the right.

John M. R. Kneuer  
Attorney for Northrop Grumman Corporation

Enclosures