

NORTHROP GRUMMAN CORPORATION
1745A WEST NURSERY ROAD MS 170
LINTHICUM, MD 21090

May 28, 1999

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

Dear Madam Secretary:

I, Steven F. Balaz, Spectrum Licensing Specialist of Northrop Grumman Corporation, ("Northrop Grumman"), hereby certify that I am an authorized employee of Northrop Grumman. I hereby request a 180-day grant of Special Temporary Authority ("STA") for Northrop Grumman to operate a mobile experimental facility mounted on a trailer located around Linthicum (Anne Arundel), Maryland. The trailer will be operated from a stationary position at various locations within 3 miles around the approximate NAD-27 coordinates of 39-11-08 N and 076-42-11 W.

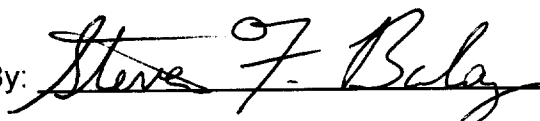
Northrop Grumman has been contracted by the U S Air Force Research Lab (Contract # F30602-96-C-0070) to produce and test advanced airborne surveillance hardware. Low power testing has been scheduled to begin on June 15, 1999.

On May 26, 1999, Northrop Grumman filed an FCC Form 442 application for a new construction permit and license authorization in the Experimental Radio Service. A date-stamped copy is attached as proof-of-filing. Northrop Grumman respectfully requests STA to operate the facilities requested, while the staff processes the Form 442 application.

Grant of STA will enable Northrop Grumman to conduct intermittent transmissions of the radar simulator from 8:00 am to 8:00 pm. The transmitter will be supplied by the USAF Research Lab. The transmitter will produce 1W of power while transmitting, operating between 3200 and 3400 MHz and emission 5M18P0N. The antenna will be mounted less than 6 meters above ground level. The purpose of the tests is to evaluate the potential use of remote radar receivers to increase the operating range of airborne surveillance platforms.

Very truly yours,

NORTHROP GRUMMAN CORPORATION

By: 

Steven F. Balaz, Spectrum Licensing Specialist