

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

August 16, 1999

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

Dear Madam Secretary:

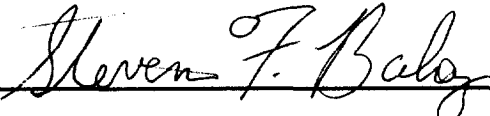
I, Steven F. Balaz, Spectrum Licensing Specialist of Northrop Grumman Corporation, ("Northrop Grumman"), hereby certify that I am an authorized employee of Northrop Grumman. I hereby request a 90-day grant of Special Temporary Authority ("STA") for Northrop Grumman to operate a mobile experimental facility mounted on a vehicle located around Linthicum (Anne Arundel), Maryland and Huntsville (Huntsville), Alabama. The vehicle will be operated from mobile and stationary positions at various locations within 10 kilometers around the approximate NAD-83 coordinates of 39-11-01 N, 076-41-09 W; 34-43-40N, 086-40-40W; and 34-40-43N, 086-41-04W.

Simultaneously with this request, Northrop Grumman filed an FCC Form 442 application for a new construction permit and license authorization in the Experimental Radio Service. A copy is attached. 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 transmitter from 8:00 am to 8:00 pm. The transmitter will be supplied by Northrop Grumman. The transmitter will produce 1000W of ERP while transmitting, operating on 35500 MHz and emission 558M1Q0N. The antenna will be mounted less than 6 meters above ground level. The purpose of the tests is to evaluate the concept of integrating RF and IR sensors in a single system. Testing has been tentatively scheduled to begin on September 1, 1999.

Very truly yours,

NORTHROP GRUMMAN CORPORATION

By:  _____

Steven F. Balaz, Spectrum Licensing Specialist