

NORTHROP GRUMMAN SYSTEMS CORPORATION

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July 16, 2003

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

Dear Sir or Madam:

Northrop Grumman Corporation ("Northrop Grumman") hereby requests a 180-day grant of Special Temporary Authority ("STA") to operate fixed/base and airborne mobile experimental radio systems at and around the following two locations:

1. 200 nautical mile radius around Linthicum (Anne Arundel County), Maryland (NAD-83 coordinates 39-11-08 N and 076-41-11 W) and
2. 100 nautical mile radius around Webster Airfield, St. Inigoes (St. Mary's County), Maryland (NAD-83 coordinates 38-08-45 N and 076-25-42 W)

Northrop Grumman has been contracted by the Department of the Air Force (Contract No. F08630-020-C-0060) to develop and test a Tactical Unmanned Aerial Vehicle Radar (TUAVR) consisting of ground fixed/base and airborne transmitter units. Testing is scheduled to commence on or about September 1, 2003.

The experimental transmissions at the two locations will involve a Northrop Grumman TUAVR, model AN/DPQ-XX, that will produce 1W of peak power while transmitting at a frequency range of 16.1 to 17.3 GHz with a bandwidth of 600 MHz. The emission designator is 600MFXX, and the antenna has a gain of 26.5dBi.

I certify that I am an authorized employee of Northrop Grumman Corporation.

Respectfully submitted,
NORTHROP GRUMMAN SYSTEMS CORPORATION

By: \s\ Jan E. Sochurek
Jan E. Sochurek
Spectrum Licensing Specialist