

NORTHROP GRUMMAN SYSTEMS CORPORATION

1745A WEST NURSERY ROAD

LINTHICUM, MD 21090

Phone: 410-765-5626

Email: jan.sochurek@northropgrumman.com

April 22, 2004

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

Dear Sir or Madam:

Northrop Grumman Systems Corporation ("Northrop Grumman") hereby requests a 180-day grant of Special Temporary Authority ("STA") to operate a fixed experimental radio facility at located at 7301 Sykesville Road, Sykesville (Carroll County), Maryland (NAD-83 coordinates: 39-22-29 North; 076-57-39 West).

Northrop Grumman has been contracted to develop and test a radar system for sale to the Royal Thai (Thailand) Air Force (Contract No. 20 / 2547). Testing of the radar system must commence as soon as possible in order for Northrop Grumman to comply with the contract. Accordingly, Northrop Grumman respectfully requests expedited processing of this STA and for the Commission to grant this STA no later than July 1, 2004.

The experimental transmissions at the location specified above will involve:

(1) a Northrop Grumman TPS-78 radar transmitter that will produce 32 kW Peak while operating in the 2900-3100 MHz band, with a bandwidth of 300 MHz, and an emission designator of 300MF8N; and

(2) a Northrop Grumman AN/UPX-37 transceiver that will produce 2 kW of maximum output power while operating at a frequency of 1030 MHz, with a bandwidth of 1 MHz, and an emission designator of 1MM1D.

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

Respectfully submitted,
NORTHROP GRUMMAN SYSTEMS CORPORATION

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