

NORTHROP GRUMMAN SYSTEMS CORPORATION

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June 10, 2003

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 through the United States Air Force to develop and test a radar system for sale to the Taiwanese Air Force (Contract No. F42600-02-C-0001-PZ0001). 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, 2003.

The experimental transmissions at the location specified above will involve:

- (1) a Northrop Grumman TPS-75(V) radar transmitter that will produce 17 MW maximum ERP while operating in the 2900-3100 MHz band, with a bandwidth of 200 MHz, and an emission designator of 200MF8N; and
- (2) a Northrop Grumman AN/UPX-27 transceiver that will produce 2 kW of maximum output power while operating at a frequency of 1030 MHz, with a bandwidth of 12 MHz, and an emission designator of 12M0M1D.

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