

NORTHROP GRUMMAN CORPORATION
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March 20, 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 a fixed experimental radio station in Elkridge (Howard County), Maryland (NAD-83 coordinates 39-11-53 North and 07-45-14 West). Northrop Grumman has filed a Form 442 application for permanent authority to operate this experimental facility (File No. 0057-EX-PL-2003).

Northrop Grumman has contracts with the Ministry of National Defense of The Democratic and Popular Republic of Algeria to deliver a solid state, 3-D S-Band surveillance radar system with integral L-Band IFF. The STA will be used to develop and test the radar system prior to delivery to the customer. Testing is scheduled to commence on or around April 10, 2003.

The experimental transmissions at the Elkridge location will involve Northrop Grumman TPS-70SS/703 and BAE UPX-37 transmitters. The transmitters will operate at the following frequencies, maximum effective radiated power levels and emission designators:

<u>Frequency</u>	<u>Maximum E.R.P</u>	<u>Emission Designator</u>
1030 MHz	251.8 kW	12M0M1D
2900-3100 MHz	42.7 MW	200MF8N
2900-3100 MHz	101.2 MW	200MF8N

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

Respectfully submitted,
NORTHROP GRUMMAN CORPORATION

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