

**NORTHROP GRUMMAN CORPORATION**  
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September 2, 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 an 180-day extension of the 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's current grant of STA under Call Sign WD2XCR (File No. 0097-EX-ST-2003) will expire on October 10, 2003, and Northrop Grumman's Form 442 application for permanent authority to operate this experimental facility (File No. 0057-EX-PL-2003) remains pending before the Commission.

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 extension of STA will be used to continue to develop and test the radar system prior to delivery to the customer.

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