

NORTHROP GRUMMAN CORPORATION

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March 12, 2004

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 extension the of Special Temporary Authority ("STA") under Call Sign WB2XCF (File No. 0405-EX-ST-2003), which will expire on May 2, 2004, to operate fixed/base experimental radio facilities at the following three locations:

1. Linthicum (Anne Arundel County), Maryland (NAD-83 coordinates 39-11-08 N and 076-41-11 W.)
2. Huntsville (Madison County), Alabama (NAD-83 coordinates 34-38-42 N and 086-00-07 W.)
3. Eglin Air Force Base (Okaloosa County), Florida (NAD-83 coordinates 30-39-06 N and 086-31-22 W.)

Northrop Grumman will continue to use the STA develop and test a Common Missile, pursuant to its contract with Boeing.

The experimental transmissions at the three locations will involve a Northrop Grumman model number 2836112 radar transmitter that will produce 5W of peak power while transmitting at a frequency of 35.5 GHz with a bandwidth of 600 MHz. The emission designator is 6M00FXX, and the antenna has a gain of 25dBi.

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