

NORTHROP GRUMMAN SYSTEMS CORPORATION

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July 25, 2005

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 an 180-day extension its request for Special Temporary Authority ("STA") granted under Call Sign WB2XCF (File No. 0006-EX-ST-2005), in order to continue to conduct airborne testing around the following locations:

- Ridgely Airfield, Ridgely (Caroline County), Maryland (15 km radius around NAD-83 coordinates 38-58-12 N and 075-52-00 W; Maximum Altitude: 3050 m)
- Linthicum (Anne Arundel County), Maryland (NAD-83 coordinates 39-11-08 N and 076-41-11 W)
- Huntsville (Madison County), Alabama (NAD-83 coordinates 34-38-42 N and 086-00-07 W)
- Eglin Air Force Base (Okaloosa County), Florida (NAD-83 coordinates 30-39-06 N and 086-31-22 W.)

The current STA under Call Sign WB2XCF will expire on September 1, 2005. Northrop Grumman requires the extension of the STA to continue to develop and test a Common Missile, pursuant to its contract with Boeing.

The experimental transmissions at the four 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 Systems Corporation.

Respectfully submitted,
NORTHROP GRUMMAN SYSTEMS CORPORATION

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