

NORTHROP GRUMMAN SYSTEMS CORPORATION

Facilities Electronic Systems Services
Integrated Systems Sector - Air Combat Systems
3520 East Avenue M, Site 4 (WJ01/46)
Palmdale, CA 93650

October 26, 2004

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 extension of the grant of Special Temporary Authority ("STA") under WB9XQA (File No. 0182-EX-ST-2004), which will expire on December 4, 2004.

Northrop Grumman will continue to use the experimental facility to test the feasibility of using the Telephonics model APS-143B transmitter for the development of a commercial maritime surveillance radar for uses related to Homeland Defense.

The experimental radio station will continue to operate on frequencies of 9.48 and 9.65 GHz, with 8.000 kW output into a 32.5dB-gain flat plane, horizontally polarized, directional antenna, developing an ERP of 250 kW, and rotating 360 degrees. Bandwidth of emission is approximately 3 MHz and the emission designator is 3M00P0NAN. The experimental station is located at Northrop Grumman's facility at 2000 NASA Boulevard, Melbourne, Florida (Coordinates: 28-05-55 North; 080-39-00 West). The transmitting antenna will be mounted on a rooftop, with the center of the feedpoint at 13.72 meters AGL. The elevation of the site is 9.14 meters ASL.

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

Respectfully submitted,
NORTHROP GRUMMAN SYSTEMS CORPORATION

By: /s/ Fred Berrong
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