

**NORTHROP GRUMMAN DEFENSE MISSION SYSTEMS, INC.**  
**Defense Mission Systems Division**  
**4010 Sorrento Valley Blvd.**  
**San Diego, CA 92121-1498**  
**Phone: 858-597-7253**  
**Email: thomas.adam@ngc.com**

February 7, 2006

Federal Communications Commission  
Experimental Radio Services  
P.O. Box 358320  
Pittsburgh, PA 15251-5320

Dear Sir or Madam:

Northrop Grumman Defense Mission Systems, Inc. ("Northrop Grumman") hereby requests modification of the grant of Special Temporary Authority ("STA") under Call Sign WC9XKV (File No. 0069-EX-ST-2006) in order to increase the altitude and radius of the three airborne mobile areas of operations covered under on the STA. Northrop Grumman requests grant of the modified STA in time to allow for operation of the experimental facilities, as modified, from February 15, 2006, until May 15, 2006.

Specifically, Northrop Grumman requests modification of the STA to increase the altitude to 18,288 meters and the radius to 148 kilometers for the airborne mobile experimental areas of operations around the following three locations:

1. Marine Corp Air Station Miramar (San Diego County), California (NAD-83 coordinates: 32-51-39 N. and 117-08-41 W.);
2. Nellis Air Force Base (Clark County), Nevada (NAD-83 coordinates: 36-14-56 N. and 114-57-37 W.); and
3. Roswell (Chaves County), New Mexico (NAD-83 coordinates: 33-23-37 N. and 104-31-13 W.).

Northrop Grumman does not request modification of the current frequency, power or emission designator information on the STA under Call Sign WC9XKV.

Northrop Grumman, and its partner, Qualcomm, will coordinate with PCS licensees that may be affected by the experimental operations under the modified STA. Please contact Mr. John Forrester of Qualcomm (Phone: 858-401-9773; Email: [jforrest@qualcomm.com](mailto:jforrest@qualcomm.com)) with any questions regarding these coordination efforts.

This modified STA request continues to be necessitated by Northrop Grumman's need to demonstrate a Battlefield Airborne Communications Node (BACN) for the U.S. Air Force (Contract No. H94-003-04-D-0005-0002). Northrop Grumman respectfully requests grant of the modified STA on or before February 13, 2006.

I certify that I am an authorized employee of Northrop Grumman Defense Mission Systems, Inc.

Respectfully submitted,  
NORTHROP GRUMMAN DEFENSE MISSION SYSTEMS, INC.

By: \s\ Thomas Adam \_\_\_\_\_

Thomas Adam  
Engineer, Deployment Readiness Group  
System Test and Evaluation