

NORTHROP GRUMMAN SYSTEMS CORPORATION

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March 23, 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 grant of Special Temporary Authority ("STA") to operate a fixed experimental radio facility at located at 10 Norden Place, Norwalk (Fairfield County), Connecticut (NAD-27 coordinates: 41-06-40 North; 073-23-28 West).

Northrop Grumman has been contracted through IRAD funding to develop and test a radar system that will demonstrate the expected results of Ground Target Moving Indicator (GTMI) mode performance. This experiment, GTMI, is to be done utilizing a Light Weight Array (LWA), part of the Space Based Radar (SBR) prototype. This experiment will be done in conditions where simultaneous radio frequency interference and terrain clutter interference are present. Northrop Grumman respectfully requests processing of this STA and for the Commission to grant this STA no later than June 1, 2004.

The experimental transmissions at the location specified above will involve a Northrop Grumman APY-6 radar that will produce 200W average ERP while operating in the 9.1-9.8 GHz band, with a bandwidth of 100 MHz. The emission designator is 100MFXX.

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