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WASHINGTON, D.C. 20005-2301
(202) 371-6000
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June 24, 1999

HAND DELIVERY

Ms. Magalie Roman Salas, Secretary
Federal Communications Commission
Experimental Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

196-PL-99

Re: **Request for Special Temporary Authority:
Northrop Grumman Corporation's FCC Form 442 Application for a New
Experimental Radio Station (Filed June 23, 1999)**

Dear Ms. Salas:

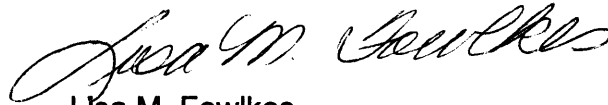
On behalf of Northrop Grumman Corporation ("Northrop Grumman") there is submitted herewith, in triplicate, a request for Special Temporary Authority ("STA") to operate a new experimental facility located in Linthicum, Maryland in accordance with the above-referenced pending FCC Form 442 application. Northrop Grumman has been contracted by the Defense Advanced Research Projects to produce and test advanced radar hardware intended for the eventual use on the Discoverer II satellite. Testing of the hardware is scheduled to commence on August 1, 1999. Therefore, Northrop Grumman respectfully requests that STA be granted on or before July 30, 1999, so that operations may commence on August 1, 1999. Northrop Grumman also requests a STA term of 180 days or until the pending FCC Form 442 application is granted by the Commission.

The enclosed STA request consists of a certification bearing the original signature of Steven F. Balaz, Spectrum Licensing Specialist of Northrop Grumman; the requisite Anti-Drug Abuse Act Certification bearing the original signature of John H. Mullan, Vice President and Corporate Secretary of Northrop Grumman; and a date-stamped copy of Northrop Grumman's pending FCC Form 442 application that was filed with the Commission on June 23, 1999.

Also enclosed are the FCC Form 159 and a check made payable to the "Federal Communications Commission," in the amount of \$45.00 to cover the requisite filing fee.

Questions concerning this filing should be directed to the undersigned at (202) 371-6115.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lisa M. Fowlkes". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Lisa M. Fowlkes
Attorney for Northrop Grumman Corporation

Enclosures

cc: John H. Mullan, Esq. (w/encl.)
Steven F. Balaz (w/encl.)

NORTHROP GRUMMAN CORPORATION
1745A WEST NURSERY ROAD MS 170
LINTHICUM, MD 21090

June 24, 1999

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

Dear Madam Secretary:

I, Steven F. Balaz, Spectrum Licensing Specialist of Northrop Grumman Corporation, ("Northrop Grumman"), hereby certify that I am an authorized employee of Northrop Grumman. I hereby request a 180-day grant of Special Temporary Authority ("STA") for Northrop Grumman to operate an experimental facility located in Linthicum (Anne Arundel), Maryland. The transmitter will be operated from a stationary position in a rooftop lab located 15 meters above the ground at the NAD-27 coordinates of 39-11-08 N and 076-41-11 W. This site is 31 meters AMSL.

Northrop Grumman has been contracted by the Defense Advanced Research Projects Agency (Contract # MDA972-98-C-0014) to produce and test advanced radar hardware intended for eventual use on the Discoverer II satellite. Testing has been scheduled to begin on August 1, 1999.

On June 23, 1999, Northrop Grumman filed an FCC Form 442 application for a new construction permit and license authorization in the Experimental Radio Service. A date-stamped copy is attached as proof-of-filing. Northrop Grumman respectfully requests STA to operate the facilities requested, while the staff processes the Form 442 application.

Grant of STA will enable Northrop Grumman to conduct intermittent transmissions of the radar from 8:00 am to 8:00 pm. The transmitter will be constructed by Northrop Grumman engineering personnel. The transmitter will produce 35W of power while transmitting, operating between 9300 and 10000 MHz and emission 643M51M0N. The active aperture antenna has a gain of 15dB. The purpose of the tests is to develop and demonstrate experimental hardware for potential use on a satellite platform.

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x 3/26
1104

Very truly yours,

NORTHROP GRUMMAN CORPORATION

By: Steven F. Balaz

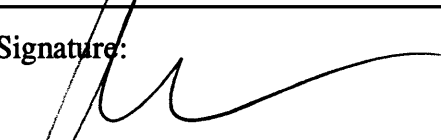
Steven F. Balaz, Spectrum Licensing Specialist

ANTI-DRUG ABUSE ACT CERTIFICATION

The applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862a, or, in the case of a non-individual applicant (e.g. corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. § 1.2002(b).

YES

NO

Name of Applicant: Northrop Grumman Corporation	Signature: 
Date: 6/22/99	Title: John H. Mullan Vice President and Corporate Secretary