

0527-EX-ST-2000

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John M. R. Kneuer
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November 17, 2000

HAND DELIVERY

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

Re: **Northrop Grumman Corporation's Request For Special Temporary Authority to Operate the Facilities Specified in FCC Form 442 Application for Modification of the Experimental Radio Service Authorization for Call Sign WB2XCF Beginning on December 1, 2000**
ACTION REQUESTED BY NOVEMBER 30, 2000

Dear Madam Secretary:

On behalf of Northrop Grumman Corporation ("NGC"), there is submitted herewith a request for a 90-day grant of Special Temporary Authority ("STA") to operate a mobile experimental transmitter facility that is currently authorized under Call Sign WB2XCF at three additional locations, as specified in the enclosed copy of the FCC Form 442 application for the modification of the experimental radio station license for Call Sign WB2XCF, which NGC is filing simultaneously under a separate cover.

NGC requests the STA in order to demonstrate the mobile experimental radar transmitter facility, which is mounted on an aircraft, at three additional locations, as requested by potential customers. The three additional locations cover areas of operation centered around (1) Aberdeen Proving Ground, Maryland; (2) Eglin Air Force Base, Florida; and (3) the Boeing facility in St. Louis, Missouri. The demonstrations at the three additional locations are scheduled to commence on December 1, 2000. Thus, Northrop Grumman requests that the Commission issue a grant of STA on or before November 30, 2000. NGC also requests the Commission to grant the STA for

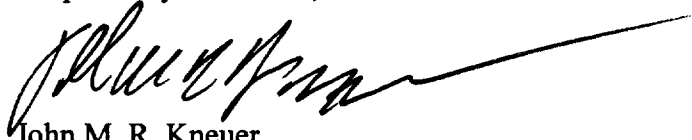
Magalie Roman Salas, Esq.
Federal Communications Commission
November 17, 2000
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a term of 90 days or until the Commission grants the underlying Form 442 application for modification of the license for Call Sign WB2XCF.

Northrop Grumman has attached the required "Anti-Drug Abuse Act Certification" and a copy of the Form 442 modification application for Call Sign WB2XCF to its STA request. We are also submitting a FCC Form 159 and a check made payable to the "Federal Communications Commission" in the amount of \$50.00 to cover the requisite filing fee.

Any questions concerning this filing may be directed to the undersigned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John M. R. Kneuer", with a long horizontal flourish extending to the right.

John M. R. Kneuer
Attorney for Northrop Grumman Corporation

Enclosures

cc: Carl Huie (via facsimile)
Steve Balaz

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

November 13, 2000

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 90-day grant of Special Temporary Authority ("STA") for Northrop Grumman to operate a mobile experimental facility mounted on an aircraft located around Linthicum (Anne Arundel), Maryland and Huntsville (Huntsville), Alabama. The transmitter will be operated from mobile and stationary positions at various locations within 10 kilometers around the approximate NAD-83 coordinates of 39-11-01 N, 076-41-09 W; 34-43-40N, 086-40-40W; and 34-40-43N, 086-41-04W.

Interest by several potential customers necessitates transmission from additional locations as well. A 5km flight ceiling is requested in the current locations and the following additions:

| | |
|-----------------------------|---------------------------------------|
| Aberdeen Proving Ground, MD | 20km radius of 39-26-24N, 076-10-00W |
| Eglin AFB, FL | 80km radius of 30-36-12N, 086-31-10W |
| St. Louis, MO | 200km radius of 38-38-02N, 090-15-03W |

Simultaneously with this request, Northrop Grumman filed an FCC Form 442 application for a modified construction permit and license authorization in the Experimental Radio Service. A copy is attached. 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 transmitter from 8:00 am to 8:00 pm. The transmitter will be supplied by Northrop Grumman. The transmitter will produce 1000W of ERP while transmitting, operating on 35500 MHz and emission 558M1Q0N. The antenna will be mounted less than 6 meters above ground level. The purpose of the tests is to demonstrate the concept of integrating RF and IR sensors in a single system. Testing at the St. Louis location has been tentatively scheduled to begin on December 1, 2000.

Very truly yours,
NORTHROP GRUMMAN CORPORATION

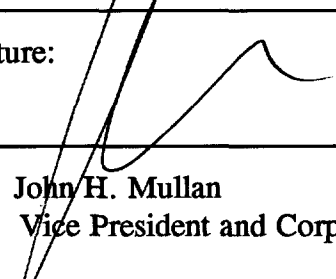
By: 
Steven F. Balaz, Spectrum Licensing Specialist

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: 11/15/00 | Title: John H. Mullan Vice President and Corporate Secretary |