

0163-EX-5T-2001

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CHARTERED

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John M. R. Kneuer
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April 5, 2001

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 a 180-day Grant of
Special Temporary Authority to Operate Facilities in the Experimental
Radio Service**
IMMEDIATE ACTION REQUESTED

Dear Madam Secretary:

On behalf of Northrop Grumman Corporation ("NGC"), there is submitted herewith a request for a 180-day grant Special Temporary Authority ("STA") to operate an experimental airborne radar system located aboard a flight test aircraft based around NGC's Linthicum, Maryland facility.

NGC has been contracted by the United Kingdom Ministry of Defense's Defense Evaluation Research Agency to conduct a target data collection flights using a NGC experimental radar system. This requires the radar to be flown over specific types of terrain and targets to produce the necessary data. Although testing has been scheduled to begin on April 30, 2001, NGC would like to have Commission authority to transmit as soon as possible in order to be certain its equipment is adequately prepared in advance. Accordingly, NGC requests grant of its request for STA as soon as possible.

Also enclosed are 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. NGC will forward the required "Anti-Drug Abuse Act Certification" as soon as the executed original is

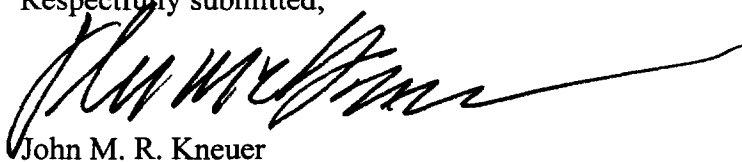
■ WASHINGTON, DC ■ HOUSTON ■ AUSTIN
■ HONOLULU ■ LAS VEGAS ■ MCLEAN ■ MIAMI

Magalie Roman Salas, Esq.
Federal Communications Commission
April 5, 2001
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received from NGC's corporate headquarters.

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

NORTHROP GRUMMAN CORPORATION
1745A WEST NURSERY ROAD MS G-11
LINTHICUM, MD 21090

April 4, 2001

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

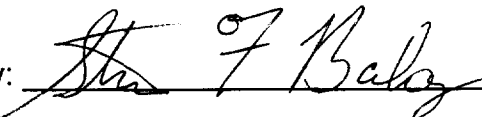
Dear Madam Secretary:

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 airborne radar located aboard a company Flight Test aircraft based at our Linthicum (Anne Arundel), Maryland facility. The transmitter will be operated while in flight at altitudes up to 3500 mAMSL. The area of operation will be within a radius of 320 km of NAD-83 coordinates 39-11-08 N and 076-41-11 W.

Northrop Grumman has been contracted by a customer in the United Kingdom (Defense Evaluation Research Agency, Ministry of Defense) to conduct a target data collection flights using a Northrop Grumman experimental radar system. This requires the radar to be flown over specific types of terrain and targets to produce the necessary data. This requirement was made by the customer only recently. Testing has been scheduled to begin on April 30, 2001. We would like to be capable of transmission as soon as possible in order to be certain our equipment is adequately prepared in advance. Our customer point of contact is Dr. Peter Thompson, Phone +44(0)1684 896710, E-mail pathompson@dera.gov.uk

Grant of STA will enable Northrop Grumman to conduct intermittent transmissions during various times of day as required. The radar transmitter will produce 320W of peak power while transmitting, operating within the band 16.2 to 16.8 GHz and therefore an emission of up to 600M00Q0N. The antenna has a gain of 22dB.

Very truly yours,
NORTHROP GRUMMAN CORPORATION

By: _____

Steven F. Balaz, RF Spectrum Licensing Specialist