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April 23, 2002

35968.00004

VIA MESSENGER

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

Re: **FCC Form 442 Application of Northrop Grumman Corporation for a New Experimental Radio Station Authorization in Oak Ridge, Tennessee, *et al.***

Dear Madam or Sir:

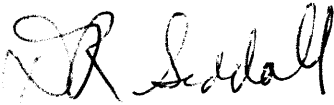
On behalf of Northrop Grumman Corporation ("NGC"), submitted herewith are an original and two copies of an application, on Form 442, for a new experimental radio station authorization for facilities located in Oak Ridge, Tennessee; Lenior City, Tennessee, and Elizabethtown, Maryland.

NGC is required under U.S. Army contract DAAH-01-C-0127 to develop and test a mobile robot. NGC will use the requested experimental radio station license's facilities for testing, which is necessary to verify the communications links and mobility of the robot under the various conditions that it might experience during actual use.

Also enclosed are a Form 159 Remittance Advice and a check made payable to the "Federal Communications Commission" in the amount of \$50.00 to cover the requisite filing fee for the application. Please stamp the enclosed extra copy of this letter marked "File Copy" to indicate receipt by the Commission of this filing, and return it to our messenger who shall have delivered this letter to you.

If you have any questions regarding this application, please do not hesitate to contact the undersigned.

Respectively submitted,



David R. Siddall
for PAUL, HASTINGS, JANOFSKY & WALKER LLP

Enclosures
VWS