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January 31, 2000

HAND DELIVERY

Magalie Roman Salas, Esq.
Secretary
Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

RE: **Amendment of the Pending FCC Form 442 Application for a New Experimental Radio Station License in Ann Arundel County, Maryland (FCC File Number 0020-EX-PL-2000)**

Dear Ms. Salas:

On behalf of the Northrop Grumman Corporation ("Northrop Grumman"), the applicant of the above-referenced application for a new experimental radio station license, submitted herewith, is letter signed by Mr. John H. Mullan, the Vice President and Corporate Secretary of Northrop Grumman, requesting the amendment of the pending FCC Form 442 application in order to add a "Frequency Selection Note" to Exhibit 1.

Questions concerning this filing should be directed to the undersigned.

Respectfully submitted,

John M. R. Kneuer
Attorney for Northrop Grumman Corporation

Enclosures
cc: Mr. Carl Huie (w/enclosures)

NORTHROP GRUMMAN CORPORATION
1840 Century Park East
Los Angeles, CA 90067

January 28 1999

Magalie Roman Salas, Esq.
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445 Twelfth Street, S.W.
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RE: **Amendment of the Pending FCC Form 442 Application for a New Experimental Radio Station License in Ann Arundel County, Maryland (FCC File Number 0020-EX-PL-2000)**

Dear Ms. Salas:

Northrop Grumman Corporation ("Northrop Grumman"), the applicant of the above-referenced application for a new experimental radio station license, hereby requests the amendment of its pending FCC Form 442 application in order to add a "Frequency Selection Note" to Exhibit 1. Accordingly, please substitute the attached revised Exhibit 1 for the Exhibit 1 that was filed with Northrop Grumman's application on January 7, 2000.

I certify that I am an authorized employee of Northrop Grumman.

Respectfully submitted,

NORTHROP GRUMMAN CORPORATION

John H. Mullan
Vice President and Corporate Secretary

Attachment

EXHIBIT 1
FCC FORM 442
ITEMS 4a, 4e

TPS-70 Solid State Radar
Pulse Characteristics

Beacon Interrogator:

Tx Frequency	1030MHz
Pulse rise time	0.1 µSec
Pulse width	0.8 µSec
Pulse fall time	0.1 µSec
Pulse Repetition Frequency	Variable-200 to 1300 Hz

Radar Transmitter:

Tx Frequency	2800 to 3100 MHz, 1MHz NLFM
Pulse rise time	1.6-2 µSec
Pulse widths	15, 90, and 245 µSec
Pulse fall time	1.6-2 µSec
Pulse Repetition Frequency	250, 275, 300, 650, and 825 Hz

FREQUENCY SELECTION NOTE:
The FAA radar at BWI Airport operates on 2845 MHz and 2880 MHz, therefore a 10 MHz guard band is proposed around these frequencies (2835-2855 MHz and 2870-2890 MHz). Northrop Grumman will accept exclusion of these frequencies and any others deemed necessary by the FAA to limit interference to nearby air traffic control radars operating in the band 2800-2900 MHz.

Radar Modes:

Mode	Pulses	PRF	Notes
Baseline	15 µS @ F1 and 245 µS @ F2	250 Hz avg,	Frequency Diversity F2-F1>/=60MHz
Enhanced MTI	15 µS @ F1 and 245 µS @ F2	275 Hz avg,	Frequency Diversity F2-F1>/=60MHz
Rain/Chaff Detect	9 pulses @ 90 µS each	650 Hz	MTD
	3 pulses @ 245 µS each	300 Hz	MTI
	9 pulses @ 90 µS each	825 Hz	MTD
	3 pulses @ 245 µS each	300 Hz	MTI