

May 22, 1998

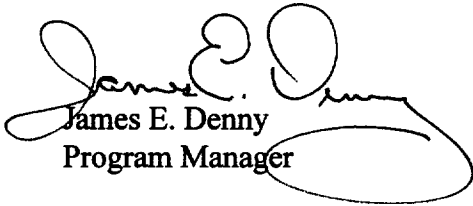
Federal Communications Commission
Experimental Licensing Branch
Suite 230
2000 M Street
MS1300E1
Washington, D.C. 20554

Re: Experimental License to Harris Corporation
Call Sign: WA2XHK
File Number: 5515-EX-PL-96

Dear Sir:

Attached is a progress report for the period covering July 1, 1997 to December 31, 1997, as required by the above referenced Experimental License. This report is late due to a change in program personnel and the new personnel not being aware of this reporting requirement. The progress report for the next period (January 1, 1998 to June 30, 1998) will be submitted no later than July 10, 1998. As stated in the last progress report Harris contends that the provisions of 47 CFR 0.457 (Records Not Routinely Available For Public Inspection), subsection (D) applies to this submittal and respectfully requests that the Federal Communications Commission withhold this information from public inspection or disclosure.

Sincerely,


James E. Denny
Program Manager

PROGRESS REPORT

to the

Federal Communications Commission

on

Experimental License
(5515-EX-PL-96)

Covering the Period from 1 July 97 to 31 December 97

James E. Denny

May 22, 1998

Harris Corporation
Government Communication Systems Division
P.O. Box 91000
Melbourne, Florida 32902-9100

SECTION 1.0 - INTRODUCTION

This report summarizes the development status and preliminary test results of the mobile transmitters and the receive site equipment associated with our wide area tracking and location prototype system development. For details of the system design/configuration please reference the previous progress report dated July 15, 1997. During this period the focus was on assembly and lab testing of the receive site equipment in preparation for tower integration and test.

SECTION 2.0 - MOBILE TRANSMITTER STATUS

30 prototype mobile transmitter units have been built, 4 of which are being used for the FCC testing. Harris has hired an outside lab to perform several FCC tests including 15.249, 15.247, and Part 90. Testing is complete with respect to Part 90 and 15.249. The documentation is currently being completed and the packages will soon be submitted to the FCC for approval. With respect to 15.247, most of the testing is complete with the exception of a processing gain test soon to be conducted and some issues with out of band emissions which are being worked.

SECTION 3.0 - RECEIVE SITE EQUIPMENT STATUS

During this period the assembly of all the Antenna and RF equipment was completed and lab testing initiated. The processing equipment is currently in assembly and has been delayed do to late delivery of our custom correlator ASICs. Software development is complete through unit testing and is ready for System Integration and Test once the processing equipment is complete.

SECTION 4.0 - PLANNED EFFORT DURING NEXT REPORTING PERIOD

During the next reporting period (January 1, 1998 - June 30, 1998) the emphasis will be on completing the receive site equipment assembly and lab testing, installation of the equipment into our 3 receive sites in the Melbourne area and initiation of System Integration and Testing.