

June 28, 2001

Experimental Licensing Branch
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

RE: Experimental Authorization (KA2XHN)

Dear Sir or Madam:

COMSAT Corporation herein submits a report on operations consistent with its KA2XHN experimental authorization.

COMSAT continues to use its KA2XHN experimental authorization to determine the viability of wideband mobile satellite communications in the maritime environment. The tests and demonstrations have been entirely successful to date and continue to have great promise for the future.

During the most recent reporting period, COMSAT has continued to use its wideband mobile experimental authorization to demonstrate the overall viability of wideband mobile satellite services in support of the U.S. Navy and other U.S. government agencies. COMSAT also is providing wideband services to the cruise line industry. These services include voice, fax, data and internet capabilities for crew and passengers.

Current and future testing continues to focus on the emergence of inter-related technologies in such fields as emergency telemedicine, the development of enhanced gyroscope stabilizing mechanisms and new designs in antenna manufacture. There has been no report of interference into any lawfully operated radio station during the period of experimental authorization.

Respectfully submitted,
COMSAT Corporation

By 
Robert A. Mansbach
Its Attorney