



WASHINGTON, DC

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May 2, 2011

**Via Hand Delivery:**

Federal Communications Commission  
Experimental Licensing Branch  
MS 1300E1  
445 Twelfth Street, S.W.  
Washington, DC 20445

**Re: Annual Progress Report of HNS License Sub, LLC  
Pursuant to Call Sign WE2XEW -- Amended**

Dear Sir or Madam:

This Progress Report of HNS License Sub, LLC (“Hughes”) is submitted pursuant to the special conditions associated with Hughes’s Experimental Radio Service license in Call Sign WE2XEW.

As of April 30, 2011, Hughes continues to conduct experimental operations with in-motion earth terminals in the fixed-satellite service (“FSS”) frequencies at 14-14.5 GHz and 29.5-30 GHz. In 2005, Hughes began a test and development program dealing with satellite communication systems capable of operating while the earth terminal is in motion. Being an area of potential interest to its customers, Hughes used its program to investigate how its existing products could best be adapted for use in a mobility environment. These experimental operations respond to potential and actual customer requirements, assess or demonstrate the viability of particular equipment and service configurations that are under development, and/or test different antenna products from various manufacturers in order to assess the performance of these products when integrated into the Hughes VSAT system.

Since the date of its last Progress Report (in June 2010), Hughes has not employed the limited ability the license in Call Sign WE2XEW provides with respect to market studies. In particular, market studies for earth station antennas mounted on airplanes that transmit in the 14.0-14.5 GHz band were terminated prior to June 2010, and have not been resumed since.



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It continues to be the case that although Hughes has tested a variety of different antennas under its license for Call Sign WE2XEW, only the original General Dynamics antenna model has been used under the authorization for more than a few months. In each other case, the test equipment has been decommissioned upon completion of the tests.

Please let me know if you have any questions regarding this required report or if any additional information is needed.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Stephen D. Baruch', with a long horizontal flourish extending to the right.

Stephen D. Baruch  
*Attorney for HNS License Sub, LLC*