



May 27, 2014

**Via Electronic Posting**

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.

On January 1, 2006, Hughes obtained an authorization under Call Sign WE2XEW 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. The experimental operations conducted under this license 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.

This year’s experiments have focused on the study of airborne antennas that could be used for support of Unmanned Aircraft Systems (UAS) operations. A variety of antennas were tested as a means to demonstrate compatibility between new mobility antenna models and Hughes equipment. In each case, the transmission equipment has been decommissioned upon completion of the test. Hughes also uses this license regularly to conduct Vehicle Mounted Earth Station (VMES) demonstrations for potential Hughes equipment customers.

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 'S. Doiron', with a long horizontal flourish extending to the right.

Stephen Doiron,  
Senior Director, Regulatory Affairs