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January 4, 2010

VIA ELECTRONIC FILING

James Burtle
Experimental Licensing Branch
Federal Communications Commission
MS 1300E1
445 12th Street S.W.
Washington, D.C. 20554

Re: Call Sign WC2XVE -- Experimental Progress Report

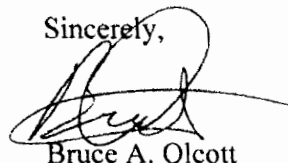
0012-EX-ML-2009

Dear Jim:

The Boeing Company ("Boeing"), through its attorneys, and pursuant to Special Condition 7 of experimental license file number 0254-EX-RR-2006 and Special Condition 8 of experimental license file number 0153-EX-RR-2005, hereby files the attached Experimental Progress Report to describe the operations of its Aeronautical Mobile-Satellite Service ("AMSS") system conducted under experimental license Call Sign WC2XVE.

Please let me know if you have any questions. Thank you for your attention to this matter.

Sincerely,



Bruce A. Olcott

EXPERIMENTAL PROGRESS REPORT

Call Sign: WC2XVE

January 4, 2010

The Boeing Company ("Boeing"), pursuant to Special Condition 7 of experimental license file number 0254-EX-RR-2006 and Special Condition 8 of experimental license file number 0153-EX-RR-2005, hereby files this Experimental Progress Report to describe the operations of its Aeronautical Mobile-Satellite Service ("AMSS") system conducted under experimental license Call Sign WC2XVE.

FCC Licensing Status

Experimental license Call Sign WC2XVE authorizes Boeing to test and demonstrate aircraft earth station ("AES") antennas and limited land mobile operations at Boeing's Systems Integration Facility ("SIF") in Kent, Washington, as well as throughout the continental United States, Alaska, Hawaii and in international airspace. In addition, the experimental license authorizes Boeing to conduct limited market studies and provide service to the U.S. Government under government contract (File No. 0032-EX-ML-2002).

Boeing previously provided an Experimental Progress Report for experimental license Call Sign WC2XVE on July 1, 2009. Accordingly, this Experimental Progress Report focuses on testing and operations since that date.

Operations Under Experimental Authority

Boeing has a contract with the U.S. Air Force Materiel Command ("AFMC"), Contract No. F33657-01-D-0013, to provide, among other things, broadband communications to U.S. Government aircraft. Pursuant to this contract, Boeing has provisioned Block 1 antennas on thirteen VIP/SAM (Very Important Personnel/Special Air Mission) aircraft operated by the U.S. Air Force Air Mobility Command to transport senior leadership of the U.S. Government and the Department of Defense.

Boeing continues to operate this network successfully and did not experience any interference anomalies during this period.