

0016-EX-ML-2007

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July 2, 2007

VIA HAND DELIVERY

James Burtle
Experimental Licensing Branch
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MS 1300E1
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Washington, D.C. 20554

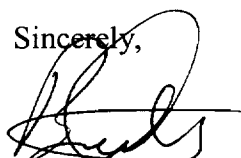
Re: Call Sign WC2XVE -- Experimental Progress Report

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

July 2, 2007

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 -- including the Block 1 phased-array AES, the reflector AES (the Next Generation Antenna or "NGA"), the eXchange (small business jet) AES and the Datron FSS-4180-LP antenna -- 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 is also authorized to conduct limited land mobile operations pursuant to this authority (File No. 0038-EX-ML-2003). Technical changes to Boeing's operations were recently authorized May 18, 2007 (File No. 0016-EX-ML-2007).

Boeing previously provided an Experimental Progress Report for experimental license Call Sign WC2XVE on December 21, 2006. 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. The U.S. government aircraft to which Boeing provides Connexion service regularly travel outside the United States, and thus operate under experimental license Call Sign WC2XVE.

During routine operations of the system, we recently observed an anomaly on the cross-polarization levels when the aircraft was in a small area near the equator in the Pacific Ocean Region. We believe that the levels emitted from the aircraft did not cause any harmful interference to other services. We have not received any complaints of harmful interference.

Immediate steps were taken to prevent harmful interference to other systems by adjusting the transmit polarization in the region where the anomaly was observed. Root cause analysis determined that a software malfunction in the control chain of the system caused the anomaly. The anomaly is now being corrected by implementing appropriate software modifications to the system.