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October 22, 2006

Mr. Richard Fabina, Chief  
Federal Communications Commission  
Equipment Approval Services  
P. O. Box 358315  
Pittsburgh, PA 15251-5315

Subject: Application for Certification, ACSS

TCAS 3000 part numbers 9003000-55001 and 9003000-65001 Traffic Collision Avoidance System (TCAS)

Dear Mr. Fabina:

As required by FCC Rules and Regulations Volume II, Part 2, Subpart J, and Volume V, Part 87, Subpart A, Certification is requested for ACSS TCAS 3000 part numbers 9003000-55001 and 9003000-65001 Traffic Collision Avoidance System (TCAS).

ACSS drawing 9000299 shows the "FCC ID" identification and included in the FCC Certification Report are photos showing the location of these nameplates.

Included with this request is the FCC Certification Report for TCAS3000, including photographs, technical circuitry descriptions with block and schematic diagrams, and user/installation instructions.

A letter of "Intent to File for FCC Certification" for the TCAS3000 has been sent to the applicable Federal Aviation Administration Office, and included with this application as required by Part 87, Paragraph 87.147(d3).

Your favorable consideration of this application will be appreciated.

Sincerely,

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Stacey Rowlan  
TCAS Engineering Manager

Documents Uploaded: See Sheet 2.

### **Documents Enclosed**

1. ACSS letter of intent to file for FCC Certification dated 13 April 2006.
2. FCC Compliance Report for TCAS 3000, ACSS Drawing 8002224-001, Rev -.
  - Test Report Data
  - Functions of Semiconductors
  - Circuit Descriptions
  - Equipment Photographs
3. ACSS Acceptance Test Procedures for TCAS 3000, ACSS Drawing No. 8002217-001 Rev D.
4. ACSS TCAS3000 Test Requirements Document, ACSS Drawing No. 8002216-001, Rev C
5. TCAS3000 Block Diagrams.
6. TCAS 3000 End Item Assembly Drawing, ACSS Drawing No. 9003000-55001, Rev G.
7. TCAS 3000 Assembly 4MCU Drawing, ACSS Drawing No. 9003000-55, Rev C.
8. TCAS 3000 End Item Assembly Drawing, ACSS Drawing No. 9003000-65001, Rev G.
9. TCAS 3000 Assembly 4MCU Drawing, ACSS Drawing No. 9003000-65, Rev C.
10. TCAS3000 Circuit Card Assembly - A1 Interconnect, ACSS Drawing No. 9003010-002, Rev -.
11. TCAS3000 Circuit Card Assembly - A2 TCAS Processor, ACSS Drawing No. 9003020-003, Rev D.
12. TCAS3000 Circuit Card Assembly - A3 TCAS Transmitter Assembly, ACSS Drawing No. 7517935-903, Rev -.
13. TCAS3000 Circuit Card Assembly - A3A2 TCAS Transmitter CCA, ACSS Drawing No. 7517935-912, Rev A.
14. TCAS3000 Circuit Card Assembly - A4 Power Supply, Drawing No. 9003030-002, Rev E.
15. TCAS3000 Circuit Card Assembly - A5 TCAS Receiver I/O, Drawing No. 7517945-905, Rev B.
16. Outline and Installation of TCAS3000 4MCU (DC), ACSS Drawing No. 9003001-001, Rev A.
17. Outline and Installation of TCAS3000 4MCU (AC/DC), ACSS Drawing No. 9003001-002, Rev A.
18. Labels for TCAS 3000, ACSS Drawing No. 9000299 Rev K
19. TCAS 3000 System Description and Installation Manual, ACSS Drawing No. 8003529-001 Rev -.