



Aviation Communication & Surveillance Systems
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February 12, 2003

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

Subject: Application for Certification, ACSS
TT-951 Traffic & Terrain Collision Avoidance System (T²CAS)

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 Type TT-951 Traffic & Terrain Collision Avoidance System (T²CAS). The TT-951 T²CAS units evolved from the predecessor RT-950 Traffic Collision Avoidance System (TCAS), previously certified under P8CRT-950. The TT-951 units utilize the same TCAS circuit boards and TCAS circuit board software that the predecessor RT-950 units utilized. These TCAS circuit boards/software have been previously certified with the FCC.

ACSS drawing 9000299-001 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 TT-951, 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 TT-951 T²CAS has been sent to the applicable Federal Aviation Administration Office, and included with this application as required by Part 87, Paragraph 87.147(d3).

Our check for \$525.00 will be mailed to cover the required fee for this application for equipment authorization.

Your favorable consideration of this application will be appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read 'Peter Beutelman', is written over a horizontal line.

Peter Beutelman
Hardware Engineering Manager

Documents Uploaded: See Sheet 2.

Documents Uploaded

1. ACSS letter of intent to file for FCC Certification dated Feb 11, 2003.
2. FCC Compliance Report for T²CAS, TT-951/952, ACSS Drawing 8000709-001, Rev -.
 - Test Report Data
 - Functions of Semiconductors
 - Circuit Descriptions
 - Equipment Photographs
3. ACSS Integrated Test Specification for the RT-950, TCAS, ACSS Drawing No. IT7517900, Rev N.
4. ACSS Automated Test Procedures for TT-950/951/952, T²CAS, ACSS Drawing No. 8000253-001, Rev B
5. T²CAS Block Diagrams.
6. T²CAS System Description and Installation Manual, ACSS Drawing No. 8000451-001, Rev A.
7. T²CAS Model TT-951 Assembly Drawing, ACSS Drawing No. 9000000-55001, Rev E.
8. T²CAS Model TT-951 End Item Assembly Drawing, ACSS Drawing No. 9000000-55, Rev -.
9. T²CAS Model TT-951 Circuit Card Assembly - A1 Interconnect, ACSS Drawing No. 9000010-001, Rev H.
10. T²CAS Model TT-951 Circuit Card Assembly - A2 TCAS Processor, ACSS Drawing No. 7517925-903, Rev C.
11. T²CAS Model TT-951 Circuit Card Assembly - A3 TCAS Transmitter, ACSS Drawing No. 7517935-902, Rev F.
12. T²CAS Model TT-951 Circuit Card Assembly - A4 Power Supply, Drawing No. 9000015-001, Rev F.
13. T²CAS Model TT-951 Circuit Card Assembly - A5 TCAS Receiver I/O, Drawing No. 7517945-903, Rev K.
14. T²CAS Model TT-951 Circuit Card Assembly - A7 TAWS Processor, ACSS Drawing No. 9000020-001, Rev J.
15. Labels for T²CAS/APM, ACSS Drawing No. 9000299-001, Rev A.
16. Outline and Installation of T²CAS, ACSS Drawing No. 9000027-001, Rev A.