



Aviation Communication & Surveillance Systems
19810 North 7th Ave
Phoenix, AZ 85027-4400
(623) 445-7000 Fax: (623) 445-7001

March 17, 2003

Federal Aviation Administration
Spectrum Engineering Division
AES-500
800 Independence Avenue, S.W.
Washington, D.C. 20591

Subject: Notification of Intent to File for FCC Certification for ACSS TT-950/TT-951/TT-952 Traffic
& Terrain Collision Avoidance System (T²CAS)

To Whom It May Concern:

In accordance with FCC Rules and Regulations Part 87, Paragraph 87.147(d3), notification is hereby given of ACSS to file for FCC Certification for the ACSS Type TT-95X family of T²CAS. The TT-95X T²CAS is a modification to the previously certified RT-950 Traffic Collision Avoidance System (TCAS).

The TT-95X T²CAS will be FAA TSO'd to the following TSOs:

- C119b, Traffic Alert and Collision Avoidance System Airborne Equipment
- C151a, Terrain Awareness and Warning System

Additional assemblies are installed for future applications for FCC Certification to the following TSOs:

- C117a, Airborne Windshear Warning and Escape Guidance Systems for Transport Airplanes
- C129a, Airborne Supplemental Navigation Equipment using Global Positioning System (GPS)

Sincerely,

Peter Beutelman
Hardware Engineering Manager

Documents Enclosed: See Sheet 2.

Documents Enclosed

1. ACSS letter of intent to file for FCC Certification dated Feb 12, 2003.
2. FCC Compliance Report for T²CAS, TT-950/952, 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 Model TT-952 Assembly Drawing, ACSS Drawing No. 9000000-20001, Rev D.
7. T²CAS Model TT-952 End Item Assembly Drawing, ACSS Drawing No. 9000000-20, Rev C.
8. T²CAS Model TT-951 Assembly Drawing, ACSS Drawing No. 9000000-55001, Rev E.
9. T²CAS Model TT-951 End Item Assembly Drawing, ACSS Drawing No. 9000000-55, Rev -.
10. T²CAS Model TT-950/TT-952 Circuit Card Assembly - A1 Interconnect, ACSS Drawing No. 9000005-001, Rev P.
11. T²CAS Model TT-951 Circuit Card Assembly - A1 Interconnect, ACSS Drawing No. 9000010-001, Rev H.
12. T²CAS Model TT-952/TT-951/TT-950 Circuit Card Assembly - A2 TCAS Processor, ACSS Drawing No. 7517925-903, Rev C.
13. T²CAS Model TT-952/TT-951/TT-950 Circuit Card Assembly - A3 TCAS Transmitter, ACSS Drawing No. 7517935-902, Rev F.
14. T²CAS Model TT-952/TT-951/TT-950 Circuit Card Assembly - A4 Power Supply, Drawing No. 9000015-001, Rev F.
15. T²CAS Model TT-952/TT-951/TT-950 Circuit Card Assembly - A5 TCAS Receiver I/O, Drawing No. 517945-903, Rev K.
16. T²CAS Model TT-952/TT-951/TT-950 Circuit Card Assembly - A7 TAWS Processor, ACSS Drawing No. 9000020-001, Rev J.
17. T²CAS Model TT-952 Circuit Card Assembly - A8 GPS, ACSS Drawing No. 9000025-001, Rev -.
18. Labels for T²CAS/APM, ACSS Drawing No. 9000299-001, Rev A.
19. Outline and Installation of T²CAS, ACSS Drawing No. 9000027-001, Rev -.