



U.S. Department
of Transportation
Federal Aviation
Administration

800 Independence Ave., SW.
Washington, DC 20591

02/20/98
aeh

Mr. David Wartofski
Potomac Aviation Technology Corporation
10300 Glen Wey
Fort Washington, Maryland 20744

Dear Mr. Wartofski:

Pursuant to your request to the Federal Aviation Administration (FAA) for approval of the altimeter setting feature of the Super Unicom, an inspection and operational demonstration was conducted on February 20, 1998, at Potomac Airfield, Maryland, by FAA Flight Standards personnel. The altimeter setting function of the Super Unicom model SU-1000 (serial number 004) was shown to exceed the accuracy requirements of Advisory Circular (AC) 150/5220-16B, Automated Weather Observing Systems (AWOS) for NonFederal Applications, Section 22, Pressure Sensors, and AC 91-54, Automatic Reporting Systems—Altimeter Setting and Other Operational Data, Section 2.2.1, Barometric Pressure Sensors.

The maintenance program was examined and was found to be satisfactory. Reliability data was examined. Analysis of the reliability data for the SU-1000, serial number 004, indicates a high degree of confidence may be placed in the system. The integral Very High Frequency transceiver is licensed by the Federal Communications Commission.

This letter confers FAA approval on the altimeter setting feature of the Super Unicom.

Sincerely,

Alfred E. Hughes
Alfred E. Hughes
Aviation Safety Inspector
Aircraft Maintenance Division, AFS-350

Enclosure
Inspection Form