

Case Study: Operational Air Base Weather Radar

Requirement: A Doppler weather radar system to support flight operations at an active air base with unique weather conditions.

Solution: A Radtec model RDR250GC Doppler radar, with a Sigmet RVP7 signal processor and Sigmet IRIS software.

An RAF airbase in Cyprus experiences a wide range of Mediterranean weather conditions, complicated by the Sirocco winds which blow off the Sahara desert at various times. The need was for a simple, reliable weather radar to support flight operations.

The solution is a Radtec RDR-250GC with an 8 ft. (2.4 m) antenna. The radar operates unattended, and it connected to the base operations center via data circuit.



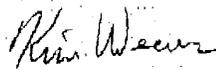
RAF Cyprus RDR-250GC Weather Radar Installation

**Doppler Weather Radar
Site Acceptance Test****OVERVIEW**

This document outlines a testing process and technical data for the Site Acceptance Test of the Doppler Weather Radar manufactured by Radtec Engineering, Inc. Specification compliance, system operability and system performance of the radar are tested and demonstrated by testing procedures. Some of the characteristics of the components not easily demonstrated during the Acceptance Test are available through supportive engineering calculation, or through component test data.

Completion of this Site Acceptance Test confirms contractual acceptance of the Doppler weather radar system as indicated by the authorized signatures below:

RADTEC REPRESENTATIVE



Date

4/18/02

CUSTOMER REPRESENTATIVE


R D Robins

Date

18/4/02

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Acceptance Test

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