Radar (AR-1) - 6x

Pakistan

Type: Building (Surface)
Commissioned: 0
Operator: Air Force
Length: 12 m
Width: 12 m
Crew: 0



Sensors / EW:
- AR-1 - Radar, Radar, Air Search, 2D Short-Range, Max range: 74.1 km

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OVERVIEW: The Plessey AR-1 is a fixed or mobile, short-range 2-D approach radar operating in the E/F-Band.

DETAILS: The AR-1 was designed to meet both military and civil airfield approach control requirements.

Specifications:

Frequency: 2.75-3.05 GHz (E/F Band (NATO), S Band (IEEE))
Power output: unknownkW(average); 650 kW (peak)
PRF: 700 Hz
Range Accuracy: unknown m (range), unknown degrees azimuth
On/Off time: unknown
Deploy/Stow Time N/A

Detection Range

tgt alt. 100m: unknown km
tgt alt. 18000m: unknown km
Max Range: 70+ km

NOTES: IOC: 1959 (approx.). The AR-1 was designed to meet both military and civil airfield approach control

requirements with many different display configurations, utilising the new Mk.5 Fixed Coil Display. The AR- 1 radar became an international success with sales reaching 108 systems, of which 32 were to the U.K. MOD for use on RAF and Royal Naval stations in the UK and overseas.

SOURCES: "The Decca Legacy - Chapter 6." Wootton Bridge Historical - Historical Information for Wootton Bridge and the Isle of Wight. Accessed March 28, 2015. http://woottonbridgeiow.org.uk/decca-legacy/chapter6.php#6.6.htm.