



Boundary Layer Wind Profile Radar

The system is a Doppler, steerable beam, boundary layer wind profile radar, with solid-state transmitter, that reliably provide continuous and real-time vertical profiles of horizontal wind speed and direction, horizontal wind components, and vertical velocity from 100m up to 3km above ground level (a g l) in unattended operation. This system can be extended by adding an optional radio acoustic sounding system (RASS).

Main technical specification

<i>Model</i>	<i>Boundary layer wind profile radar(YKJ3)</i>
<i>Detection range</i>	<i>Maximum measurement Height:3~5km</i>
	<i>Minimum measurement Height:100m</i>
	<i>Wind direction:0~360°</i>
	<i>Wind speed:0m/s~90m/s</i>
<i>Detection accuracy (RMS)</i>	<i>Wind direction:≤5°(steady weather condition)</i>
	<i>Wind speed:≤1.0m/s</i>
<i>Operating frequency</i>	<i>1270Mhz~1375Mhz</i>
<i>Antenna size</i>	<i>Microstrip linear array</i>
	<i>1.8mx 1.8m</i>
	<i>2.4mx2.4m</i>
	<i>3.6mx3.6m</i>
<i>Mounting type</i>	<i>Shelter-type</i>
	<i>Fixed</i>
	<i>Mobile</i>