**Technical Data Sheet:** Antennas Direct DB8E Antenna

**Physical Data:** 

<b>Dimensions:</b>	English (in)	Metric (cm)
Width	50	127
Height	37	94
Depth	7.5	19
Turning Radius	25	63.5

English (lbs) Metric (kg)
TBD TBD

**Electrical Data:** 

Weight:

Band: UHF 470 MHz to 698 MHz US Channels 14 - 69

Impedance: 75 ohm Connector: F-Female

Performance Data (both elements broadside):

Frequency (MHz)	Peak Gain (dBi)	Beamwidth (deg)
470	14.7	~24.5
546	15.4	~21.2
622	16.7	~18.5
698	17.4	~16.3

**VSWR:** < 2 UHF 470 to 698 MHz

## Notes:

- 1. Pattern computed using array theory and Remcom, Inc. X-FDTD 7.2 simulation of individual element..
- 2. Assumptions: PEC, free space, no loss in combiner & phasing harness.
- 3. Gain is specified dBi (isotropic) per IEEE definition. Mismatch losses not included.
- 4. VSWR measured using HP 8510C Network Analyzer with pole mounted antenna outdoors ~ 10 ft above dry concrete pad.















