**DB224E Antenna Data**

Model: DB224-E  
Ser. No.: 05DESA0053149  
Frequency Band: 138-150 MHZ  
Mfr. Date: 2/18/2005  
Write Up Date: 12-12-05

Authored by:  
Doug Zastrow, WBØUPJ  
dzastro -at- qwest -dot- net

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**DB224E Element Spacing Detail**

- **Lower Bottom Clamping Area**: 1 1/2" from bottom of mast  
- **Upper Bottom Clamping Area**: 17 1/2" from bottom of mast

**Not Drawn to Scale**

- 54"  
- 66 3/4"  
- 60"  
- 70 5/8"  
- 27 1/8"

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Important Note: Elements shown in offset pattern for dimensional clarity.
Not Drawn to Scale

**IMPORTANT!!!**

This end of the dipole is the **hot** end and must be connected to the center conductor of the phasing harness. All dipoles must be oriented with the hot end the same direction. For standard upright mounting all hot ends face up. For inverted mounting all hot ends face down. When inverted, make sure no part of the antenna can retain rainwater or ice.

**DB224E Element Detail**

- **Connection Screw for Center Conductor**
- **Connection Screw for Shield**
- **White, Insulating Stub**
- **Aluminum Tube**

**Not Drawn to Scale**

**Important Notes**

- 37”
- 2 3/5”
- 7”
- 1/2”
- 3 3/4”
- 18 1/2”
- 4 1/4”
- 1/2”
- 15/8”

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About 3” up from the center splice assembly the cable is cut to permit antenna shipment in two halves. The cable is fitted with PL-259’s mated with an SO-239 barrel connector in the center. It is weatherproofed in the field.

**Notes:** Dashed cables terminate on folded dipole elements. Measurements are to the center of the “Center Conductor Connection Lug” as illustrated at left. I suspect length variations are due to measurement errors and manufacturing tolerances.