

INSTRUCTIONS

Stacking four 70 cm Wheel Antennas with a 4 X Power Splitter

- 1) The four Wheel antennas are tagged #'s 1, 2, 3 & 4,
- 2) The Wheels numbering 1 & 2 (green tags) are to be the top two Wheels,
- 3) The type "N"(f) connectors on Wheels 1 & 2 are to point down,
- 4) The Wheels numbering 3 & 4 (red tags) are the bottom Wheels,
- 5) The type "N"(f) connectors on Wheels 3 & 4 are to point up,
- 6) Mount the Wheels spaced 17" apart on a non-metallic mast.
- 7) Mount the 4 X Power Splitter between Wheels 2 & 3,
- 8) Construct or obtain the 'O A L phasing harness kit' of 4 equal length cables,
- 9) Suggested length is 24" = ~1 WL using 50 ohm cable with a Vp of ~80%,
- 10) Install the cables, coil any slack and tape to mast, connect transmission line.

NOTE: When ordered for this type of arrangement, the Wheels have been constructed so as to preserve phase. If the instructions are not followed the resultant gain could be \emptyset dB (over any reference) rather than 8 dBi omni.

Olde Antenna Lab of Denver
41541 Dublin Drive
Parker, CO 80138-4604

Phone: 303 841 1354

E-mail: w6oal@aol.com