THE MAGIC BAND CAN GET BETTER WITH THIS FULL SIZE HIGH GAIN BUDDIPOLE BEAM.

THIS 2 ELEMENT HORIZONTAL YAGI COVERS THE FULL 6 M BAND WITH EXCELLENT FORWARD GAIN AND GOOD FRONT TO BACK RATIO.

DESCRIPTION
The beam consists of a reflector and a driven element mounted to a boom consisting of two rigid arms, attached to the mast at the center.

The reflector consists of two 5’ 6” whips attached to the boom with an IT adapter.

The driven element consist of two 5’ 6” whips which are attached to the boom by a VersaTee adapter.

SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>FORWARD GAIN</td>
<td>10.37 dBi at 27 ° elevation</td>
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<tr>
<td>FRONT TO BACK RATIO</td>
<td>11.16 dB</td>
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<tr>
<td>VSWR</td>
<td>1.6:1 at 52.0 MHz</td>
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<tr>
<td>VSWR BANDWIDTH</td>
<td>4 MHz (1.72 :1 VSWR)</td>
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</tbody>
</table>

PERFORMANCE

Horizontal Polarization
f = 52 MHz
0 dB = 10.4dBi
Antenna height = 10ft

Radiation Pattern (Azimuth)  
Radiation Pattern (Elevation)
PARTS LIST
1  5' 6" (1.65m) Telescopic whip x 4
2  Buddipole 22" (560 mm) arm x 2
3  Buddipole VersaTee x 1
4  IT adapter x 2
5  Yagi collar x 2
6  Mast adapter x 1
7  Buddipole 8' (2.44m) mast x 1
8  Buddipole Tripod x 1
9  3/8" x  24T x 1+1/8 long Threaded adapter x 1

ASSEMBLY

BOOM
Thread one 22" arm to each end of the central IT adapter to form the boom. Slip a Yagi collar on to one end of the boom and thread the 3/8" threaded adapter into the end of the boom. Attach the VersaTee to the threaded adapter. Slip a second Yagi collar to the other end of the boom and attach another IT adapter to the end of the boom using a soft knob.

DIPOLE
Thread two whips to the VersaTee to complete the dipole, and adjust the length of each whip so that the overall length (tip to tip) is 107.5". Swivel the Versatee on the boom so that the dipole will be horizontal when the antenna is attached to the mast. Tighten the lock screw on the Yagi collar at the dipole end.

REFLECTOR
Thread two whips to the refelector IT adapter to complete the reflector, and adjust the length of each whip so that the overall length (tip to tip) is 117.5". Swivel the reflector IT on the boom so that the reflector will be horizontal when the antenna is attached to the mast. Tighten the lock screw on the Yagi collar at the reflector end.

WHIP LENGTHS (number of sections)

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>Long</th>
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</thead>
<tbody>
<tr>
<td>DIPOLE</td>
<td>4 1/2</td>
<td>2 1/2</td>
</tr>
<tr>
<td>REFLECTOR</td>
<td>5 1/2</td>
<td>2 3/4</td>
</tr>
</tbody>
</table>