APPLICATIONS

SUGGESTED APPLICATIONS

SD-3300/3700

Any two VHF/UHF Ant.

Ant. 1 Side

Ant. 2 Side

Preamp Power Supply

To TV Sets or Amplifier

Identical Ant.

Pointed Same Direction

Any Two VHF/UHF Ant.

Pointed Different Directions

SD-3300/3700

To TV Sets or Amplifier

INSTRUCTIONS

INSTRUCTIONS FOR STACKING ANTENNAS

A minimum spacing must be provided between stacked antennas to prevent interaction and loading. Negligible loading will occur if a minimum of one half wavelength (at the lowest channel received on adjacent antennas) of spacing is provided.

NOTE: Where mast space is limited, it may be necessary to install the antennas at the ends of wooden cross arms attached to the tower.

The table below lists half wavelengths for channels 2 thru 13. Correct spacing on any two antennas stacked one over the other is one half wavelength of the lowest channel either antenna receives.

HALF WAVELENGTHS OF VHF TV CHANNELS

<table>
<thead>
<tr>
<th>CH#</th>
<th>Half Wavelength</th>
<th>CH#</th>
<th>Half Wavelength</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>102°</td>
<td>8</td>
<td>32°</td>
</tr>
<tr>
<td>3</td>
<td>94°</td>
<td>9</td>
<td>31°</td>
</tr>
<tr>
<td>4</td>
<td>86°</td>
<td>10</td>
<td>30°</td>
</tr>
<tr>
<td>5</td>
<td>75°</td>
<td>11</td>
<td>29°</td>
</tr>
<tr>
<td>6</td>
<td>70°</td>
<td>12</td>
<td>28°</td>
</tr>
<tr>
<td>7</td>
<td>34°</td>
<td>13</td>
<td>27°</td>
</tr>
</tbody>
</table>

NOTE: Identical antennas pointed in the same direction with equal lengths of lead between antennas and coupler will have 0 to 3 dB of gain. Identical antennas pointed in opposite directions will have -3 to -4 dB of loss. Different antennas in any direction will average -3.5 dB of loss.