

## VHF Base Loaded Chrome Coil Antenna, No Ground Plane

Designed for installations that lack a suitable ground plane, the MHB5802(S) antenna features a tapered loading coil jacket with chrome plated fittings and an optional heavy-duty stainless steel spring. The base loaded matching network supports the collinear or trilinear rod sections above without the need of a ground plane.

### Features

- No ground plane required
- Rugged construction; optional heavy-duty shock spring
- Sleek, sturdy, sealed phasing coil design
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts

### Antenna Electrical Specifications

| Model       | Frequency Range | Factory Tuned Frequency                        | Gain   |
|-------------|-----------------|--|--|
| MHB5802(S)* | 144-174 MHz     | Field tunable within specified frequency range | Unity no ground plane (2.4 dB with a ground plane) |

### Mechanical Specifications

| Model       | Antenna Height at lowest frequency |
|-------------|------------------------------------|
| MHB5802(S)* | Approximately 58"                  |



MHB5802

**MAXRAD**

### Technical Data

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| <b>Maximum Power:</b><br>200 watts   |
| <b>Nominal Impedance:</b><br>50 ohms   |
| <b>VSWR:</b><br>< 1.5:1  |
| <b>Radiator Material:</b><br>.100"-.062" diameter tapered  |
| <b>Optional Spring:</b><br>Stainless steel   |
| <b>Base Coil Housing:</b><br>Molded polymer jacket with copper, nickel and chrome plated bushing |
| <b>Antenna Type:</b><br>Base loaded 1/2 Wave   |

For detailed specifications, visit <http://antenna.pctel.com>.

\*Suffix "S" (Spring) is not a retrofit option, please indicate at time of order.