

Instruction Sheet

SAH5x Horizontally Polarized Sector Antennas 5GHz Operation

Step 1: Loosen bolts holding bottom pole clamp bracket and attach to pole. Tighten loosely. Determine the azimuth position required by the desired coverage area and then rotate the antenna around the pole until it is in the desired azimuth position. Tighten bottom clamp bracket.

Step 2: Loosen bolts holding top pole clamp bracket and attach to pole. Determine approx down tilt required by coverage area and adjust nuts to achieve the downtilt. Tighten all nuts loosely.

Step 3: Make any final fine adjustments to tilt or azimuth that are required and then tighten all nuts securely.



Specifications

| Parameter | Model | Min | Typ | Max | Units |
|------------------------------|----------------|--------------|-------|--------------|-----------|
| <i>Frequency Range</i> | SAH57 SAH58 | 5470 5725 | | 5725 5850 | MHz |
| <i>VSWR</i> | | | 1.5:1 | | |
| <i>Impedance</i> | | | 50 | | OHM |
| <i>Input Power</i> | | | | 100 | W |
| <i>Pole Diameter (OD)</i> | | 1" (25) | | 2.5" (64) | Inch (mm) |
| <i>Operating Temperature</i> | | -40 | | +70 | Deg C |

| | SAH5x-90 | SAH5x-120 |
|------------------------------|--------------------------------------|-----------|
| <i>Gain (typical)</i> | 17 dBi | 16dBi |
| <i>Horizontal Beam Width</i> | 90 deg | 120 deg |
| <i>Vertical Beam Width</i> | 8 deg | |
| <i>Polarization</i> | Horizontal | |
| <i>Front to Back</i> | 20 dB | |
| <i>Mechanical Downtilt</i> | 30 deg | |
| <i>Weight</i> | 10 Lb (4.5kg) | |
| <i>Dimensions (LxWxH)</i> | 28" x 6.5" x 2.5" (711 x 165 x 51mm) | |

| Wind Loading | | | |
|--------------|--------|---------|---------|
| Model | Sq. In | 100MPH | 125MPH |
| SAH58 | 182 | 45.5 lb | 71.1 lb |

Antenna Patterns

