



AWSSAH58 Horizontally Polarized Sector Antenna 16, 18 dBi

The Horizontally Polarized Sector antenna systems offered by AWS are constructed of UV stable ABS plastic radomes and heavy galvanized brackets for long service life in the most demanding conditions. The Horizontal Polarization allows for reduced interference potential in systems which are installed in areas with high levels of vertically polarized RF noise or where the system manager wants to avoid potential future problems with interference. The super heavy duty bracket system is easy to install and adjust for up to 30 degrees of down tilt.



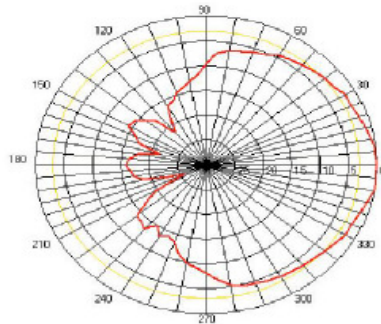
APPLICATIONS

5.8GHz U-NII Band Applications
Point-to-Multipoint Systems
Base Station Antennas
Wireless Broadband Systems

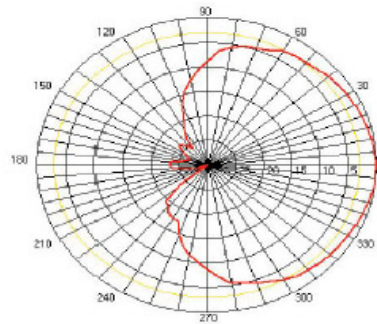
SPECIFICATIONS

Weight 10 lbs (4.5 kg)
Dimensions 31 x 6.5 x 2.5 in (790 x 165 x 51mm)
Input Return Loss -14 dB
Antenna Frequency Range 5725-5850 MHz
Gain:
 AWSSAH58-90-17 17 dBi
 AWSSAH58-120-16 16 dBi
Beamwidth:
 AWSSAH58-90-17 HPOL 90 degrees ; VPOL 8 degrees
 AWSSAH58-120-16 HPOL 120degrees ; VPOL 8 degrees
Polarization Horizontal or Vertical
VSWR 1.5 : 1
Maximum Input Power 100 W
Impedance 50 Ohms

INTEGRATED ANTENNA PATTERNS AT 5.8 GHz



90-17 Elevation Plane



120-16 Elevation Plane